

# CUMI

ABRASIVES FOR

# CONSTRUCTION INDUSTRY

PRODUCT  
CATALOGUE

CARBORUNDUM UNIVERSAL LIMITED

**CUMI**

# INDEX

ABOUT US		COATED ABRASIVES		NON WOVEN ABRASIVES	
<b>INTRODUCTION</b>					
HOW TO USE THIS CATALOG	00		SHEETS		FLAT STOCK
CUTTING & GRINDING WHEELS	00		ROLLS		FLOOR PADS
COATED ABRASIVES	00		BELTS	<b>DIAMOND TOOLS</b>	
NON-WOVEN ABRASIVES	00				CUP WHEELS
DIAMOND TOOLS	00				
CONTACT INFORMATION	00				
<b>CUTTING &amp; GRINDING WHEELS</b>					
	GRINDING WHEELS		FIBER DISCS		
	CUTTING WHEELS		FLAP DISCS		
	THIN CUTTING WHEELS		DISCS		
	LARGE DIA CUTTING WHEELS				



CONSTRUCTION INDUSTRY

# COATED ABRASIVES



CARBORUNDUM UNIVERSAL LIMITED

# CUMI'S COATED ABRASIVES

CUMI's wide range of coated abrasives comprises of abrasive sheets, rolls, belts, fiber discs, flap discs, PSA, hook 'n loop, quick change discs, double sided discs, cartridge rolls, shaft mounted flap wheels & flap wheels.



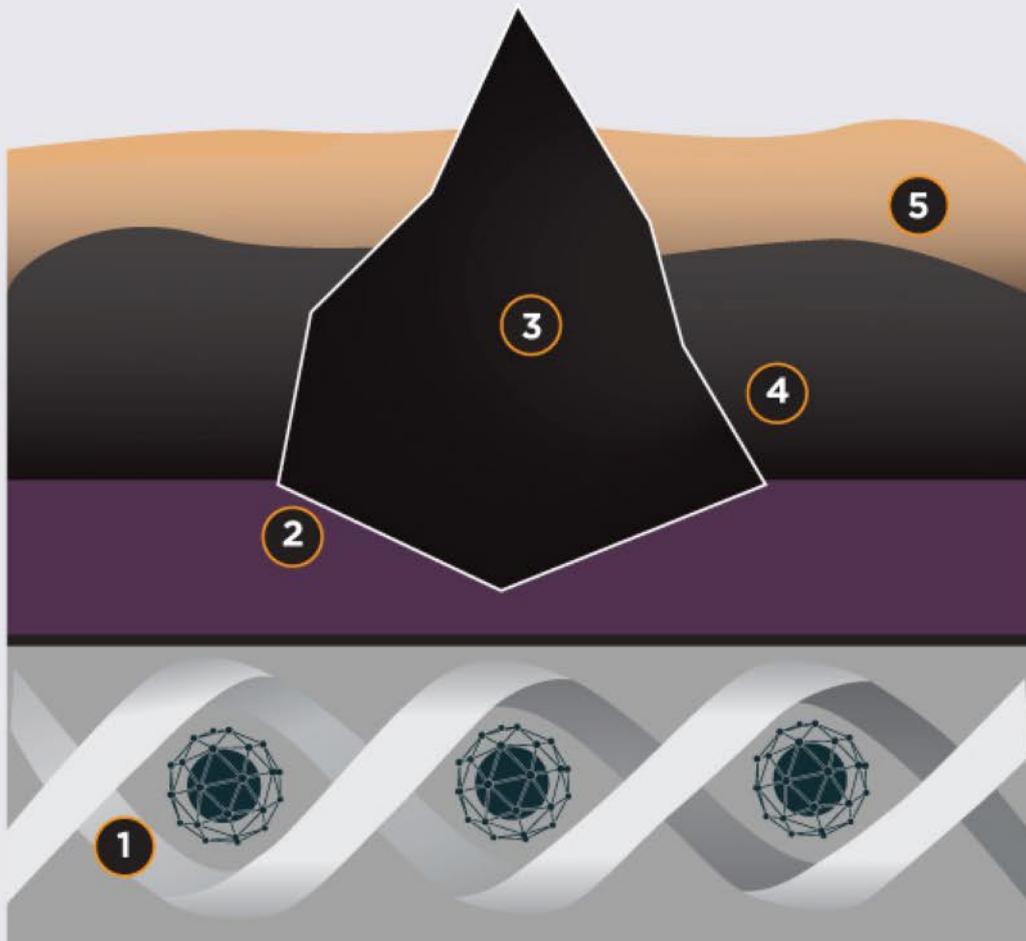
With state-of-the art Peter Schwabe Maker, CUMI produces the widest range of high quality coated abrasive products for various applications meeting stringent customer demands.



# COATED ABRASIVES

## About Coated Abrasive

A coated abrasive is composed of three primary raw materials - abrasive grains, backing and bonding agent. The abrasive grains are primarily attached to a backing by means of a bonding agent. Coated abrasives are primarily used for heavy stock removal, grinding, de-burring, blending, cleaning, polishing & finishing operations.



## STRUCTURE

- 1 BACKING
- 2 MAKER COAT
- 3 ABRASIVE GRAIN
- 4 SIZER COAT
- 5 TOP COAT \*OPTIONAL

# STRUCTURE OF COATED ABRASIVES

## 1. BACKING

Backing materials form the base of coated abrasives and anchor the abrasive grains with bonding agent. The various backings used in the manufacture of coated abrasives are as follows:

Paper • Cloth • Vulcanized Fiber • Polyester film

### 1.1 PAPER:

Paper backings vary from A-weight (lightest, most flexible) to F-weight (heaviest, least flexible). Some specialty products include latex treated paper for flexibility and tear resistance. Paper backings are available in the forms of Abrasive sheets, rolls, belts, PSA, hook'n loop, double side discs and plain discs.

#### PAPER

MOST FLEXIBLE			LEAST FLEXIBLE		
A - weight	B - weight	C - weight	D - weight	E - weight	F - weight
( 95 g/m <sup>2</sup> )	( 105 g/m <sup>2</sup> )	( 120 g/m <sup>2</sup> )	( 150 g/m <sup>2</sup> )	( 220 g/m <sup>2</sup> )	( 270 g/m <sup>2</sup> )

### 1.2 CLOTH:

The cloth backings undergo a series of treatments to impart flexibility, stiffness and other characteristics depending on the application. CUMI's range of cloth backings are carefully chosen right from the weaving to processing, making them highly suitable for every application. Cloth backings are primarily classified by weight & yarn constructions and are available in Cotton, Polycotton and Polyester.

#### CLOTH

MOST FLEXIBLE		LEAST FLEXIBLE	
J-WEIGHT	X-WEIGHT	Y-WEIGHT	YY-WEIGHT

### 1.3 FIBER:

Vulcanized fiber backings are primarily used for the manufacture of jumbo based fiber discs, IDC based fiber discs and quick change discs. Fiber backings are available in three variants which are chosen depending on the end application.

	RECOMMENDED FOR
0.95 mm	applications demanding heavy stock removal
0.85 mm	applications demanding medium - high pressure grinding (Exclusive for IDC)
0.80 mm	applications demanding medium - high pressure grinding
0.60 mm	finishing applications

Vulcanized fiber (cotton fibers which are chemically treated and then pressed under temperature and

# STRUCTURE OF COATED ABRASIVES

## 2. MAKER COAT

The maker coat plays a crucial role of anchoring the abrasive grain to the backing firmly. The primarily used bonding agents are glue, semi-synthetic resin & synthetic resin which are chosen depending on the end application. Synthetic resins are used for heavy grinding operations & glue bond is preferred for hand sanding operations.

## 3.ABRASIVE GRAINS

Abrasive grains perform the material removal action supported by the backing and bonding agent.

Abrasive grains used in CUMI's coated abrasives are classified into 2 major variants:

- a) Natural abrasive grains
- b) Synthetic abrasive grains

### NATURAL ABRASIVE GRAINS

- i. Emery  
Blocky shaped grain for hand sanding metal applications
- ii. Garnet  
Sharp edged soft grain for wood working applications
- iii. Flint  
Friable grain suitable for paint removal and hand sanding applications

### SYNTHETIC ABRASIVE GRAINS

- i. Eco Aluminium Oxide  
Friable Aluminium Oxide grain ideal for light operations
- ii. Brown Aluminium Oxide  
Tough Aluminium Oxide grain suitable for both hand sanding and machine applications
- iii. White Aluminium Oxide  
Friable Aluminium Oxide grain for fast cutting action
- iv. Premium Aluminium Oxide  
Special treated Aluminium Oxide grain for superior performance
- v. Silicon Carbide  
Hard and friable grain ideal for non-ferrous materials
- vi. Zirconia alumina  
Tough and hard premium abrasive grain for heavy duty grinding applications
- vii. Ceramic Aluminium Oxide  
Micro-crystalline abrasive grain known for its high performance & unique fracture characteristics upon pressure

The important characteristics to be considered when choosing an abrasive grain are:

- Hardness
- Toughness
- Nature of fracture
- Grain shape and size

# STRUCTURE OF COATED ABRASIVES

## 4. SIZER COAT

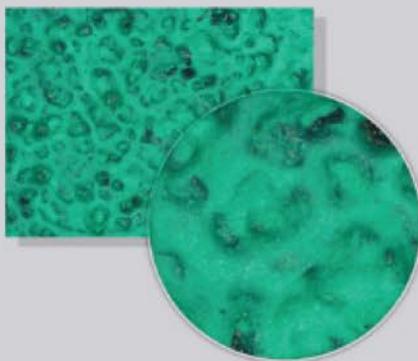
In this process, the bonding agent polymerizes along with the maker coat thereby reinforcing the abrasive grains for grinding operation. Special products for wood application incorporate anti-static material to prevent clogging

## 5. TOP COAT \*OPTIONAL

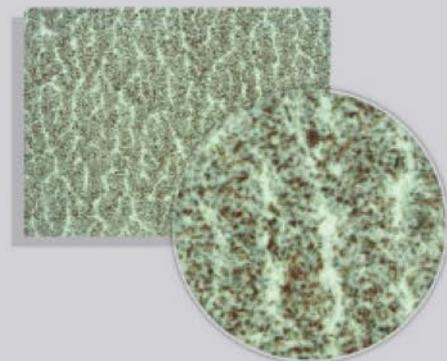
This coating is applied over the sizer coat to impart special features to coated abrasives. The two major top coat variants are

- a. Anti-clogging coat : This comprises of a stearate coating which acts as a lubricant that prevents clogging by reducing friction thereby increasing life of the product
- b. Super-size coat : This coating comprises of a 'Fluorine' based grinding aid which prevents increase in temperature in Stainless steel & high alloy steels, rendering a cooler cutting action, increasing material removal rate and product life.

**SUPER SIZE COAT**



**ANTI CLOGGING COAT**



## TYPES OF COATING

DEFINITION	DESCRIPTION	CODE
Close Coat	The backing surface is coated with 90-95% grit volume. It has got the longest life and best finish.	●
Semi-Open Coat	The backing surface is coated 50- 75% grit volume. It has Anti-loading characteristics	◐
Open Coat	The backing surface is coated with approx. 50% grit volume	○

# UNDERSTANDING THE PICTOGRAMS

CUMI's versatile range of products come in various forms. The pictograms below are indicative of the same.

## FORMS



SHEETS



ROLLS



CARTRIDGE ROLLS



NARROW BELT



HARD WOOD  
FLOOR BELT



FIBER DISC  
ROUND HOLE



FIBER DISC  
SLIT HOLE



FIBER DISC  
SLOT HOLE



FLAP DISC



SHAFT MOUNTED  
FLAP WHEEL



HOOK 'N LOOP



PSA



QUICK CHANGE DISC



DOUBLE SIDED DISC



FLAP WHEEL

## MACHINES



ANGLE GRINDER



BACK STAND  
GRINDER



CENTRELESS  
FINISHING MACHINE



DIE GRINDER



DRILLING MACHINE



EDGE SANDING  
MACHINES



FLEXIBLE SHAFT  
GRINDER



HAND BLOCK



HAND SANDING



HAND TOOL BELT  
GRINDER



ORBITAL SANDER



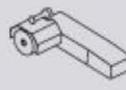
PARQUET SANDER



RANDOM ORBITAL  
SANDER



RIGHT ANGLE DIE  
GRINDER



SATIN FINISHING  
MACHINE



THROUGH-FEED  
GRINDING



WIDE BELT  
FINISHING MACHINE



FLOOR STANDING  
GRINDER

# SPECIALITY



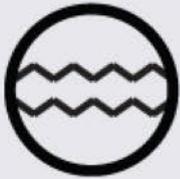
ANTI-SLIP

Special anti-slip coating on the backing that minimizes slipping and aids fast & comfortable sanding.



WET / DRY

The Abrasive products that possess this specialty can be used in both wet and dry conditions.



ANTI-CLOG

Products with this pictogram consist of a stearate coating which acts as a lubricant minimizing the clogging effect during sanding that reduces friction thereby prolonging life.



LATEX

Products with this symbol consist of latex impregnated backing which offers greater amount of flexibility & tear resistance. Ideal for contour sanding.



SUPER SIZE

An additional coating of active fillers resists increase in temperature thereby providing a cooler cutting action. Highly recommended for Stainless Steel.

# PRODUCT CODE EXPLANATION

Y	S	5	8	8
Backing	Internal Process Code	Bond	Abrasive	Internal Process Number
<b>Paper</b> A - 95 gsm B - 105 gsm C - 110 gsm D - 150 gsm E - 220 gsm F - 270 gsm G - 350 gsm  <b>Fiber</b> F - 0.6mm Fiber V - 0.8/0.85/ 0.95mm Fiber T - Natural Fiber  <b>Cloth</b> P - Plain weave Cotton / Polycotton J - Cotton / Polycotton X - Cotton / Polycotton Y - Polycotton / Polyester  <b>Film</b> L - Film		1 - Glue / Glue 2 - Resin / Glue 3 - Alkyd /Alkyd 4 - Resin / Alkyd 5 - Resin / Resin 6 - UF / UF 7 - UF / Glue	0 - Eco Aluminium Oxide 1 - Flint 2 - Emery 3 - Garnet 4 - Aluminium Oxide 5 - White Aluminium Oxide 6 - Premium Aluminium Oxide 7 - Silicon Carbide 8 - Zirconia Alumina 9 - Ceramic Aluminium Oxide	

# HOW TO READ THE BROCHURE

**SUB MODULE**

**PRODUCT DESCRIPTION**

**PRODUCT CODE**

**PRODUCT IMAGE**

**PAPER BASED**

**Premium SiC Latex Water Proof Paper**

**CL 577**

**PROPERTIES**

Backing	C - weight latex reinforced paper
Bond Type	Resin
Coating	Close coat
Grain	Silicon carbide

**MATERIALS**

Paint • Filler • Varnish • Laquer • Plastic

**FEATURES**

Premium latex backing with advanced bond system for excellent finish

**MACHINE**

**FORM**

**SPECIAL**













**PRODUCT ATTRIBUTES**

**GRIT RANGE**

**OTHER FORMS**

**SPECIAL FEATURES**

**MODULE**

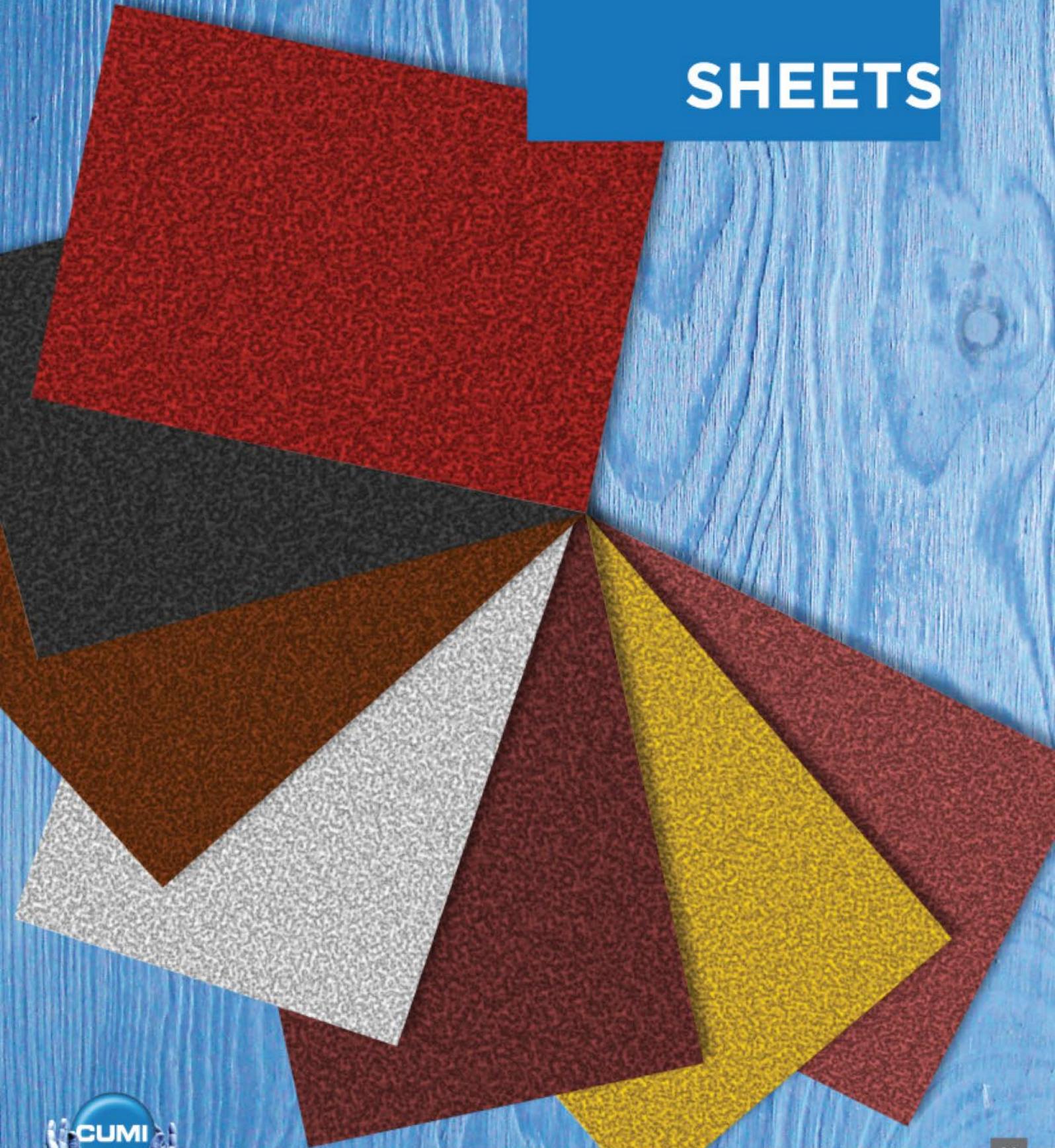
**CATEGORY**

**SHEETS**



**COATED ABRASIVES**

# SHEETS



# SHEETS

CUMI offers wide range of products for hand sanding and for hand held power tools. Products are specially designed for particular work piece and mode of operation and are available for wet and dry sanding application. The products are supplied in cloth or paper backing for recommended application. CUMI also offers sheets and strips in wide range of designs with hole patterns for dust extraction.



## ADVANTAGES OF CUMI SHEETS

- Fast cut rate
- Superior life
- Smooth finish
- Latex option for increased flexibility
- Stearate option for reduced loading



## AVAILABLE VARIANTS

	PAPER			CLOTH		FIBRE
CL 577	CP 547	DV/CV 371	JC 565	PG 121	LF 567	
CL 575	DR 551	CR 131	XS 542			
CL 565	CR 663	CR 121	JG 502			
CL 567	CR 661	CR 111	PS 502			

# APPLICATION GUIDE

BACKING	CODE	PRODUCT DESCRIPTION	COATING	MATERIAL								
				Steel	Stainless Steel	Non Ferrous Metal	Wood	Wall	Paint	Filler	Varnish • Lacquer	Plastic
PAPER	CL 577	Premium SiC Latex Water Proof Paper	●						●	●	●	●
	CL 575	SiC Latex Water Proof Paper	●						●	●	●	●
	CL 565	Premium AIO Latex Water Proof Paper	●				●		●	●	●	●
	CL 567	AIO Latex Water Proof Paper	●				●		●	●	●	●
	CP 547	AIO Stearate Paper	◐				●	●		●		
	DR 551	CUMI White Paper	◐	●			●	●	●	●		
	CR 663	AIO Cabinet Gold Paper	◐				●	●				
	CR 661	AIO Cabinet Paper	◐				●	●				
	DV/CV 371	SiC Water Proof Paper	●	●	●	●	●	●	●	●	●	●
	CR 131	Garnet Paper	○				●					
	CR 121	Emery Paper	●	●		●						
	CR 111	Flint Paper	●				●	●				
	CLOTH	JC 565	AIO Flexible Cloth Sheet	◐	●	●		●		●		●
XS 542		X-weight AIO Cloth Sheet	◐	●			●		●			
JG 502		J-weight AIO Cloth Sheet	◐	●			●		●			
PS 502		Plain weave AIO Cloth Sheet	◐	●			●		●			
PG 121		Emery Cloth Sheet	●	●		●						
FILM	LF 567	AIO Film Sheet	●	●	●	●			●	●		

● CLOSE COAT    ◐ SEMI-OPEN COAT    ○ OPEN COAT

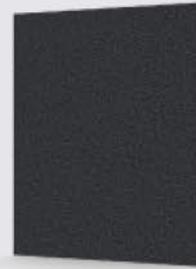
# PAPER BASED

## Premium SiC Latex Water Proof Paper

## CL 577

### PROPERTIES

Backing C/B-weight latex reinforced paper  
 Bond Type Resin  
 Coating Close coat  
 Grain Silicon Carbide



### MATERIALS

Paint • Filler • Varnish • Laquer • Plastic

### FEATURES

Premium latex backing with advanced bond system for excellent finish

MACHINE



FORM



SPECIAL



### GRIT RANGE

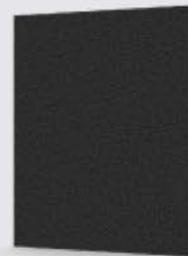
80 100 120 150 180 220 320 400 600 800 1000 1200 1500 2000

## SiC Latex Water Proof Paper

## CL 575

### PROPERTIES

Backing C/B - weight latex reinforced paper  
 Bond Type Resin  
 Coating Close coat  
 Grain Silicon Carbide



### MATERIALS

Paint • Filler • Varnish • Laquer • Plastic

### FEATURES

High quality latex paper for flexibility and good cutting action

MACHINE



SPECIAL



### GRIT RANGE

80 100 120 150 180 220 240 280 320 400 600 800 1000 1200 1500 2000 2500 3000

# PAPER BASED

## Premium AIO Latex Water Proof Paper

### PROPERTIES

Backing C/B - weight latex reinforced paper  
 Bond Type Resin  
 Coating Close coat  
 Grain Premium Aluminium Oxide

### MATERIALS

Wood • Paint • Filler • Varnish • Laquer • Plastic

### FEATURES

Premium latex backing with advanced bond system for excellent finish

## CL 565



### MACHINE



### SPECIAL



### GRIT RANGE

80 100 120 150 180 220 240 280 320 400 600 800 1000 1200 1500 2000

## AIO Latex Water Proof Paper

### PROPERTIES

Backing C/B- weight latex reinforced paper  
 Bond Type Resin  
 Coating Close coat  
 Grain Premium Aluminium Oxide

### MATERIALS

Wood • Paint • Filler • Varnish • Laquer • Plastic

### FEATURES

Premium Aluminium Oxide with grains for quick cutting action

## CL 567



### MACHINE



### FORM



### SPECIAL



### GRIT RANGE

80 100 120 150 180 220 240 280 320 400 600 800 1000 1200 1500 2000

# PAPER BASED

## AIO Stearate Paper

### PROPERTIES

Backing C - weight paper  
 Bond Type Resin  
 Coating Semi-open coat  
 Grain Aluminium Oxide

### MATERIALS

Wood • Wall • Filler

### FEATURES

Stearate coating for anti-clogging effect

## CP 547



MACHINE

FORM

SPECIAL



GRIT RANGE

60 80 100 120 150 180 220 240 280 320 400 600

## CUMI White Paper

### PROPERTIES

Backing D - weight paper  
 Bond Type Resin  
 Coating Semi-open coat  
 Grain White Aluminium Oxide

### MATERIALS

Steel • Wood • Wall • Paint • Filler

### FEATURES

Friable grains for faster cutting action

## DR 551



MACHINE

FORM

SPECIAL



GRIT RANGE

40 50 60 80 100 120 150 180 220

# PAPER BASED

## AIO Cabinet Gold Paper

### PROPERTIES

Backing C - weight paper  
Bond Type Resin  
Coating Semi-open coat  
Grain Premium Aluminium Oxide

### MATERIALS

Wood•Wall

### FEATURES

Premium grains & special bond combination for superior finish

### GRIT RANGE

50 60 80 100 120 150 180 220

## CR 663



### MACHINE



## AIO Cabinet Paper

### PROPERTIES

Backing C - weight paper  
Bond Type Resin  
Coating Semi-open coat  
Grain Premium Aluminium Oxide

### MATERIALS

Wood•Wall

### FEATURES

Semi-open coat for minimal clogging

### GRIT RANGE

50 60 80 100 120 150 180 220

## CR 661



### MACHINE



# PAPER BASED

## SiC Water Proof Paper

### PROPERTIES

Backing D / C - Wet Strength weight paper  
Bond Type Resin  
Coating Close coat  
Grain Silicon Carbide

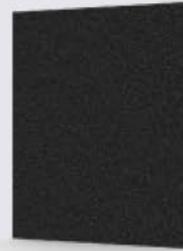
### MATERIALS

Steel • Stainless Steel • Non Ferrous Metal •  
Wood • Wall • Paint • Varnish • Laquer • Filler •  
Plastic

### FEATURES

Special bond provides combination of  
flexibility & strength

## DV / CV 371



MACHINE

FORM

SPECIAL



### GRIT RANGE

60 80 100 120 150 180 220 240 280 320 400 500 600 800 1000 1200

## Garnet Paper

### PROPERTIES

Backing C - weight paper  
Bond Type Glue  
Coating Open coat  
Grain Garnet

### MATERIALS

Wood

### FEATURES

Garnet grains for good finish

## CR 131



MACHINE



### GRIT RANGE

36 50 60 80 100 120 150 180

## PAPER BASED

### Emery Paper

#### PROPERTIES

Backing C - weight paper  
Bond Type Glue  
Coating Close coat  
Grain Emery

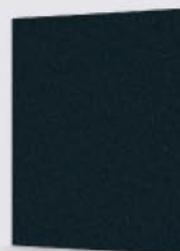
#### MATERIALS

Steel • Non Ferrous Metal

#### FEATURES

Modified bond adheres to contours

### CR 121



MACHINE



#### GRIT RANGE

50 60 80 100

### Flint Paper

#### PROPERTIES

Backing C - weight paper  
Bond Type Glue  
Coating Close coat  
Grain Flint

#### MATERIALS

Wood • Wall

#### FEATURES

Good quality kraft paper for dry sanding

### CR 111



MACHINE



#### GRIT RANGE

36 50 60 80 100 120 150 180

## CLOTH BASED

### AIO Flexible Cloth Sheet

#### PROPERTIES

Backing J - weight cotton  
Bond Type Resin  
Coating Semi-open coat  
Grain Premium Aluminium Oxide

#### MATERIALS

Steel • Stainless Steel • Wood • Paint •  
Varnish • Lacquer • Plastic

#### FEATURES

Special flexible cloth for contour sanding

### JC 565



MACHINE

FORM



#### GRIT RANGE

60 80 100 120 150 180 220 240 280 320 400

### X-weight AIO Cloth Sheet

#### PROPERTIES

Backing X - weight cotton  
Bond Type Resin  
Coating Semi-open coat  
Grain Aluminium Oxide

#### MATERIALS

Steel • Wood • Paint

#### FEATURES

Modified bond system for extra durability

### XS 542



MACHINE

FORM



#### GRIT RANGE

50 60 80 100 120

## CLOTH BASED

### J-weight AIO Cloth Sheet

#### PROPERTIES

Backing J - weight cotton  
Bond Type Resin  
Coating Semi-open coat  
Grain Eco Aluminium Oxide

#### MATERIALS

Steel • Wood • Paint

#### FEATURES

Economical product for all purpose general sanding

### JG 502



MACHINE

FORM



#### GRITRANGE

50 60 80 100 120

### Plain Weave AIO Cloth Sheet

#### PROPERTIES

Backing Plain weave poly cotton  
Bond Type Resin  
Coating Semi-open coat  
Grain Eco Aluminium Oxide

#### MATERIALS

Steel • Wood • Paint

#### FEATURES

Plain weave poly cotton cloth for extra flexibility and durability.

### PS 502



MACHINE

FORM



#### GRITRANGE

40 60 80 100 120 150 180 220 240 320 400

# ROLLS



# ROLLS

CUMI's paper and cloth backed rolls find extensive use in cleaning, de-rusting and finishing various types of material. These rolls are manufactured using either Emery, Aluminium Oxide, Silicon Carbide grains with specially formulated resins and compatible backing suited for optimum performance in wood, leather, plastic, metal, rubber and glass industries. Coated abrasive rolls are designed for fast and easy sanding of various surfaces and can be torn to exact lengths as needed.



## ADVANTAGES OF CUMI ROLLS

- Increased durability
- Adheres to contour sanding
- Good tearable properties
- Highly flexible products for special applications



# APPLICATION GUIDE

BACKING	CODE	PRODUCT DESCRIPTION	COATING	MATERIAL						
				Steel	Stainless Steel	Non Ferrous Metal	Wood	Paint	Filler	Leather
PAPER	FT 153	White Buffing Paper Roll	●							●
	EP 243	Brown Buffing Paper Roll	●							●
	E 601 / 401	SiC Paper Roll	●							●
	EP / DP 558	Green Paper Roll	○				●	●	●	
	CP 558	Green Paper Roll	○				●	●	●	
	FP / EP 544	AIO Paper Roll	◐	●			●	●		
CLOTH	XF 569	X-Weight Premium AIO Abrasive Cloth Roll	●	●	●		●			●
	XF 567	X-Weight Premium AIO Industrial Cloth Roll	●	●	●		●			●
	JC 565	J-Weight AIO Flexible Shop Roll	◐	●	●	●	●			●
	XG 542	X-Weight AIO Industrial Cloth Roll	●	●	●		●			●
	XS 542	X-Weight AIO Cloth Roll	◐	●			●	●		
	JG 243	J-Weight AIO Shop Roll	●	●				●		
	JG 502	J-Weight AIO Cloth Roll	◐	●			●	●		
	PS 502	Plain Weave AIO Cloth Roll	●	●			●		?	
	PG 121	Emery Cloth Roll	●	●		?				
CLOTH (For Flap Disc)	YS 599	Y-Weight Ceramic Cloth Roll	◐	●	●					
	YS 588	Y-Weight Zirconia Cloth Roll	◐	●	●					
	XS 588	X-Weight Zirconia Cloth Roll	◐	●	●	●	●			
	XD 589	X-Weight Zirconia Cloth Roll	◐	●	●	●	●			
	XD 549	X-Weight AIO Cloth Roll	◐	●		●	●			

● CLOSE COAT    ◐ SEMI-OPEN COAT    ○ OPEN COAT

## Green Paper Roll

EP / DP 558

### PROPERTIES

---

Backing E / D - weight paper  
Bond Type Resin  
Coating Open coat  
Grain White Aluminium Oxide

### MATERIALS

---

Wood • Paint • Filler

### FEATURES

---

Stiff paper for faster cutting action with smooth finish



MACHINE

FORM



GRIT RANGE

40 60 80 100 120 150

# PAPER BASED

## Green Paper Roll

### PROPERTIES

Backing C - weight paper  
Bond Type Resin  
Coating Open coat  
Grain White Aluminium Oxide

### MATERIALS

Wood • Paint • Filler

### FEATURES

Flexible paper for faster cutting action with smooth finish

### GRIT RANGE

36 60

## CP 558



### MACHINE



### FORM



## AIO Paper Roll

### PROPERTIES

Backing F - weight paper  
Bond Type Resin  
Coating Semi-open coat  
Grain Aluminium Oxide

### MATERIALS

Steel • Wood • Paint

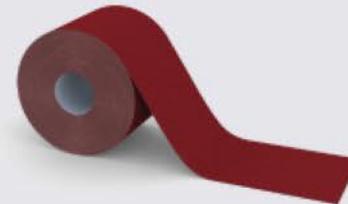
### FEATURES

Durable paper for general purpose sanding

### GRIT RANGE

24 36 40 50 60 80 100 12150

## FP / EP 544



### MACHINE



### FORM



# CLOTH BASED

X- weight Premium AIO Abrasive Cloth Roll

XF 569

## PROPERTIES

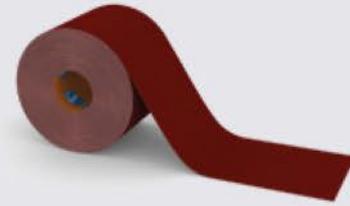
Backing X - weight flexible cotton  
Bond Type Resin  
Coating Close coat  
Grain Premium Aluminium Oxide

## MATERIALS

Steel • Stainless Steel • Wood • Leather

## FEATURES

For applications demanding high cut rate



MACHINE

FORM



GRIT RANGE

60 80 100 120 150 180 220 320 400 600



ROLLS



COATED ABRASIVES

# CLOTH BASED

## X- Weight Premium AIO Industrial Cloth Roll

## XF 567

### PROPERTIES

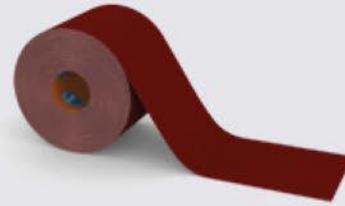
Backing X - weight cotton  
Bond Type Resin  
Coating Close coat  
Grain Premium Aluminium Oxide

### MATERIALS

Steel•Stainless Steel• Wood• Leather

### FEATURES

Premium grains with flexible cotton backing for aggressive cut & high performance



### MACHINE



### FORM



### GRITRANGE

36 50 60 80 100 120 150 180 220 320 400 600

## X- Weight AIO Industrial Cloth Roll

## XG 542

### PROPERTIES

Backing X - weight cotton  
Bond Type Resin  
Coating Close coat  
Grain Aluminium Oxide

### MATERIALS

Steel•Stainless Steel• Wood• Leather

### FEATURES

Heat resistant bond provides good life & finish



### MACHINE



### FORM



### GRITRANGE

36 50 60 80 100 120 150 180 220 320 400 600

# CLOTH BASED

## J- Weight AIO Flexible Shop Roll

### PROPERTIES

Backing J - weight flexible cotton  
 Bond Type Resin  
 Coating Semi-open coat  
 Grain Premium Aluminium Oxide

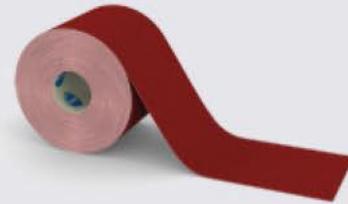
### MATERIALS

Steel • Stainless Steel • Non Ferrous Metal •  
 Wood • Leather

### FEATURES

Flexible cotton cloth assists in tearability

## JC 565



### MACHINE

### FORM



### GRIT RANGE

60 80 100 120 150 180 220 240 280 320 400

## X- Weight AIO Cloth Roll

### PROPERTIES

Backing X - weight cotton  
 Bond Type Resin  
 Coating Semi-open coat  
 Grain Aluminium Oxide

### MATERIALS

Steel • Wood • Paint

### FEATURES

Modified bond system for extra durability

## XS 542



### MACHINE

### FORM



### GRIT RANGE

50 60 80 100 120

# CLOTH BASED

## J- Weight AIO Shop Roll

### PROPERTIES

Backing J - weight cotton  
 Bond Type Resin  
 Coating Close coat  
 Grain Aluminium Oxide

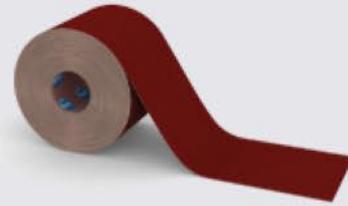
### MATERIALS

Steel • Paint

### FEATURES

Special bond adheres to profiles

## JG 243



### MACHINE

### FORM



### GRIT RANGE

36 40 50 60 80 100 120 150 180 220 240 280 320 400 500

## J- Weight AIO Cloth Roll

### PROPERTIES

Backing J- weight cotton  
 Bond Type Resin  
 Coating Semi-open coat  
 Grain Eco Aluminium Oxide

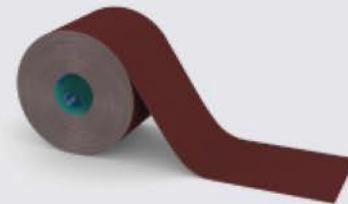
### MATERIALS

Steel • Wood • Paint

### FEATURES

Economical product for all purpose general sanding

## JG 502



### MACHINE

### FORM



### GRIT RANGE

50 60 80 100 120

# CLOTH BASED

Plain weave AIO Cloth Roll

PS 502

## PROPERTIES

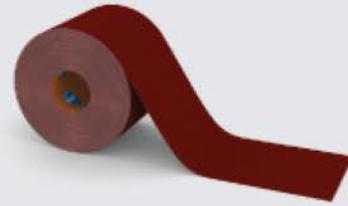
Backing Plain weave poly cotton  
Bond Type Resin  
Coating Close coat  
Grain Eco Aluminium Oxide

## MATERIALS

Steel • Wood • Paint

## FEATURES

Plain weave poly cotton cloth for extra flexibility and durability.



MACHINE

FORM



GRITRANGE

40 60 80 100 120 150 180 220 240 320 400

# BELTS



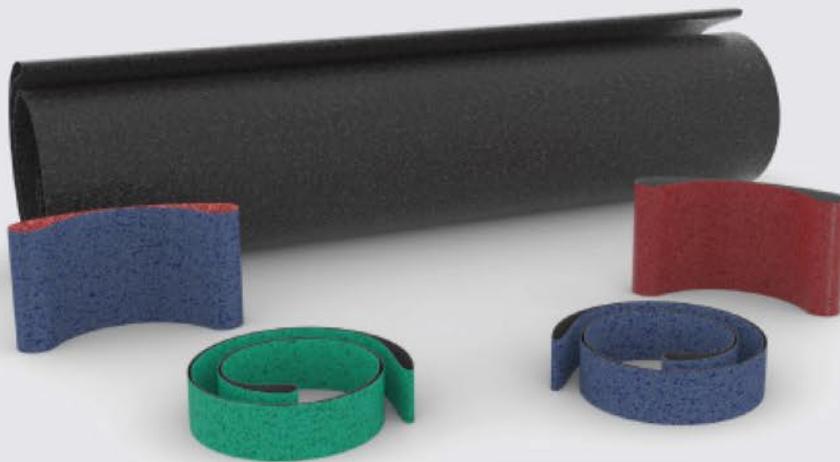
# BELTS

CUMI offers belts suitable for all sanding and grinding operations in wide range of sizes on cloth and paper backings. Special designs for customized applications i.e. metal working, wood working are available. Belts are made on backings with high tensile strength and optimum stretch resistance. CUMI supplies long, narrow and wide belts with various types of joints. The type of joint required depends on the work piece involved and machine used.



## ADVANTAGES OF CUMI BELTS

- Wide range of backing from highly flexible to most sturdy
- Premium grains for enhanced performance
- Closely graded grains
- Modified bonds for improved grain retention
- Optional supersize coat for cooler cutting action



### AVAILABLE VARIANTS

PAPER	CLOTH		
	WOOD	METAL	
FP 567	YS 595	YS 592	JF 567
	XS 581	YY585	YW 571
	YS 575	YY 583	
	YS 549	YS 562	

# JOINTS

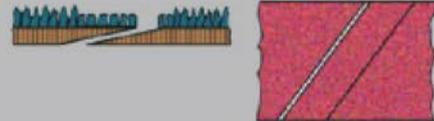
## LAP JOINTS

GLUED OVERLAPPED



USAGE  
Narrow & Wide belts

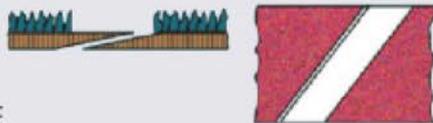
GLUED OVERLAPPED, GRAIN TIPS REMOVED



USAGE  
Flexible belt for wood sanding

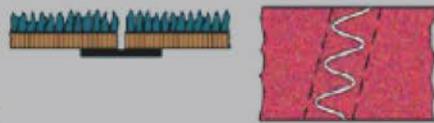
## LAP JOINT - TOP LAP FULLY SKIVED

DIAGONAL CUT, GLUED OVERLAPPED, GRAIN AREA REMOVED COMPLETELY



USAGE  
For all short belts

ZIGZAG JOINT GLUED BENEATH



USAGE  
Cloth belts for the glass | wood industry

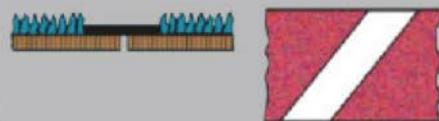
## BUTT JOINT (FIBRE REINFORCED TAPE)

BUTT JOINT, GLUED BENEATH



USAGE  
Flexible belt for the fittings industry

BUTT JOINT, DIAGONAL CUT, GRAIN AREA REMOVED COMPLETELY, TAPE ON THE GRAIN SIDE



USAGE  
Only for special applications

# PAPER BASED

AIO Paper Belt

FP 567

## PROPERTIES

Backing F - weight paper  
Bond Type Resin  
Coating Close coat  
Grain Premium Aluminium Oxide

## MATERIALS

Hardwood Floor • Wood • MDF • Particle Board

## FEATURES

Modified bond system for extra durability



MACHINE

FORM



## GRIT RANGE

60 80 120 150



# CLOTH BASED- FOR WOOD

## Ceramic Cloth Belt

## YS 595

### PROPERTIES

Backing Y - weight heavy polyester  
 Bond Type Resin  
 Coating Semi-open coat  
 Grain Ceramic Aluminium Oxide



MACHINE SPECIAL



### MATERIALS

Hardwood Floor • Wood • MDF • Particle Board

### FEATURES

For a high rate of cut without burn marks

### GRIT RANGE

36 60 80 120

## Zirconia Cloth Belt

## XS 581

### PROPERTIES

Backing X - weight poly cotton  
 Bond Type Resin  
 Coating Semi-open coat  
 Grain Zirconia Alumina



MACHINE FORM



### MATERIALS

Non Ferrous Metal • Hardwood Floor • Wood

### FEATURES

Durable backing with self sharpening grains provides outstanding performance

### GRIT RANGE

36 60 80 120

## CLOTH BASED- FOR WOOD

### SiC Cloth Belt

#### PROPERTIES

Backing Y - weight polyester  
Bond Type Resin  
Coating Semi-open coat  
Grain Silicon Carbide

#### MATERIALS

Hardwood Floor • Wood • MDF • Particle Board

#### FEATURES

Close Graded grains for excellent cut & finish

### YS 575



MACHINE SPECIAL



#### GRIT RANGE

24 30 36 40 50 60 80 100 120 150

### AIO Cloth Belt

#### PROPERTIES

Backing Y - weight polyester  
Bond Type Resin  
Coating Semi-open coat  
Grain Aluminium Oxide

#### MATERIALS

Wood • MDF • Particle Board

#### FEATURES

Special Bond to minimize burn marks

### YS 549



MACHINE



#### GRIT RANGE

36 60 80 100 120 150 180

# FIBER DISCS



# FIBER DISCS

CUMI's fiber discs are designed for applications ranging from heavy stock removal to finishing operations. Made from a vulcanized fiber backing and high performance bond system, these fiber discs are available in aluminium oxide, Silicon Carbide, Zirconia Alumina and Ceramic Aluminium Oxide variants.

The high quality fiber, available in different thickness has high mechanical strength and stable at high grinding temperatures. These discs are designed for high speed operations with hand held grinding machines – pneumatic, electrical.

Cumi's range of fiber discs are available in 3 different variants:

- a. IDC fiber discs
- b. Jumbo fiber discs
- c. Trimmable discs

## ADVANTAGES OF CUMI FIBER DISCS

- Special treated grains for maximum cut rate
- Imported vulcanized fiber for high strength
- High performance bond for longer life
- Active fillers for increased performance



ROUND HOLE



SLIT HOLE



SLOT HOLE



## AVAILABLE VARIANTS

IDC FIBER DISCS		TRIMMABLE DISCS		JUMBO FIBER DISCS	
VR 599	VR 569	TD 592	TD 549	VR 581	VR/FR 561
VR 589		TD 585		VR 571	VR/FR 543

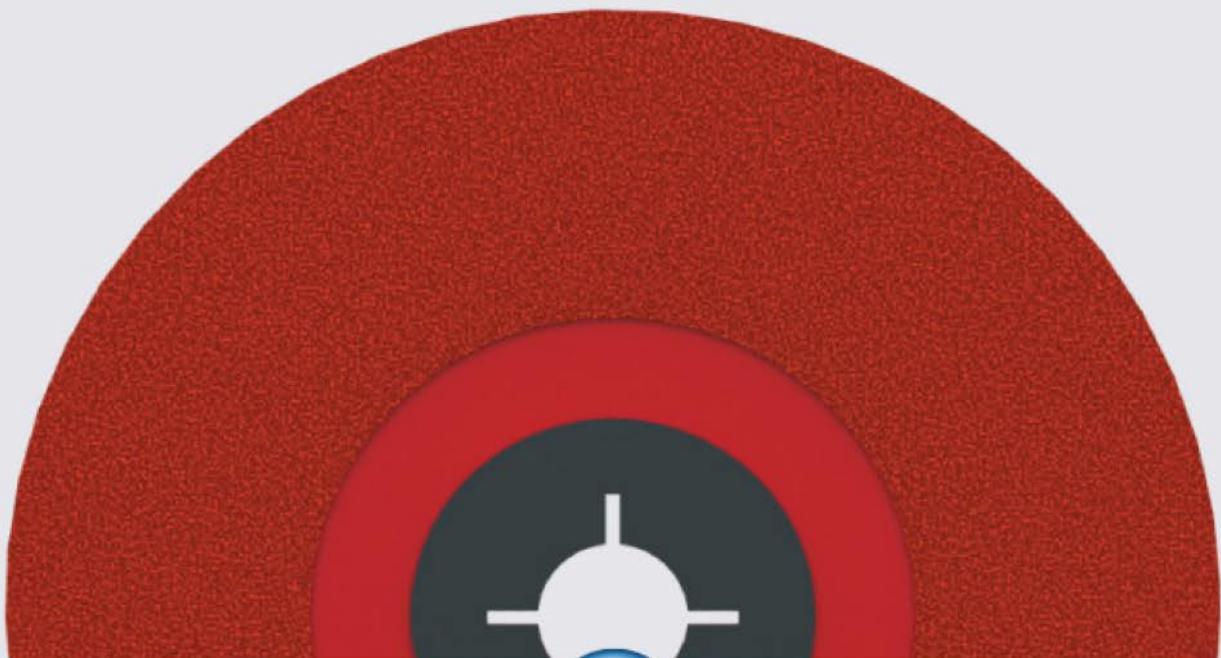
# IDC FIBER DISCS

CUMI is one of the few abrasive players to manufacture IDC range of fiber discs

IDC stands for Individual Disc Coating. As the name implies, these discs are individually coated with a superior bond and grain combination. Typically, in a jumbo fiber discs, the jumbo is punched to the required shape. Due to this action, the outer edges of the discs tend to get weaker resulting in premature grain shedding. By coating individually, grain adhesion on the periphery of the disc drastically reduces grain shedding resulting in high performance.

The advantages of IDC over conventional fiber discs are:

- a) Strong & uniform grain coating at the edges
- b) Reduced grain shedding
- c) Lower edge wear
- d) Improved grain retention for longer life



# IDC FIBER DISCS

Alpha

VR 569

## PROPERTIES

Backing 0.8 / 0.85mm vulcanised fiber  
Bond Type Resin  
Coating Close coat  
Grain Premium Aluminium Oxide

## MATERIALS

Steel • Stainless Steel • Non Ferrous Metal •  
Glass Fiber • Wood

## FEATURES

Special bond for metal grinding application



MACHINE



## GRIT RANGE

24 36 50 60 80 100 120



FIBER DISCS

CUMI

COATED ABRASIVES

# JUMBO FIBER DISCS

## Blue Spark Zirconia

### PROPERTIES

Backing 0.8mm vulcanised fiber  
Bond Type Resin  
Coating Close coat  
Grain Zirconia Alumina

### MATERIALS

Steel • Stainless steel • Chrome steel •  
Castings • Glass fiber

### FEATURES

Premium grains for aggressive cut

## VR 581



MACHINE

FORM



### GRIT RANGE

24 36 50 60 80 100 120

## SiC Fiber Disc

### PROPERTIES

Backing 0.8mm vulcanised fiber  
Bond Type Resin  
Coating Semi-open coat  
Grain Silicon carbide

### MATERIALS

Non Ferrous Metal • Wood • Stone • Glass •  
Marble

### FEATURES

Semi-open coat ensures minimal loading

## VR 571



MACHINE

FORM



### GRIT RANGE

24 36 50 60 80 100 120

# JUMBO FIBER DISCS

## Alpha Supreme

### PROPERTIES

Backing 0.8mm / 0.6mm vulcanised fiber  
Bond Type Resin  
Coating Close coat  
Grain Premium Aluminium Oxide

### MATERIALS

Steel • Stainless Steel • Non Ferrous Metal  
Glass fiber • Wood

### FEATURES

Long life with good finish

### GRIT RANGE

24 36 50 60 80 100 120

## VR / FR 561



MACHINE



FORM



## Cumi Flex AIO

### PROPERTIES

Backing 0.8mm / 0.6mm vulcanised fiber  
Bond Type Resin  
Coating Close coat  
Grain Aluminium Oxide

### MATERIALS

Steel • Stainless Steel • Non Ferrous Metal •  
Glass Fiber • Wood

### FEATURES

Suitable for all purpose general grinding

### GRIT RANGE

24 36 50 60 80 100 120

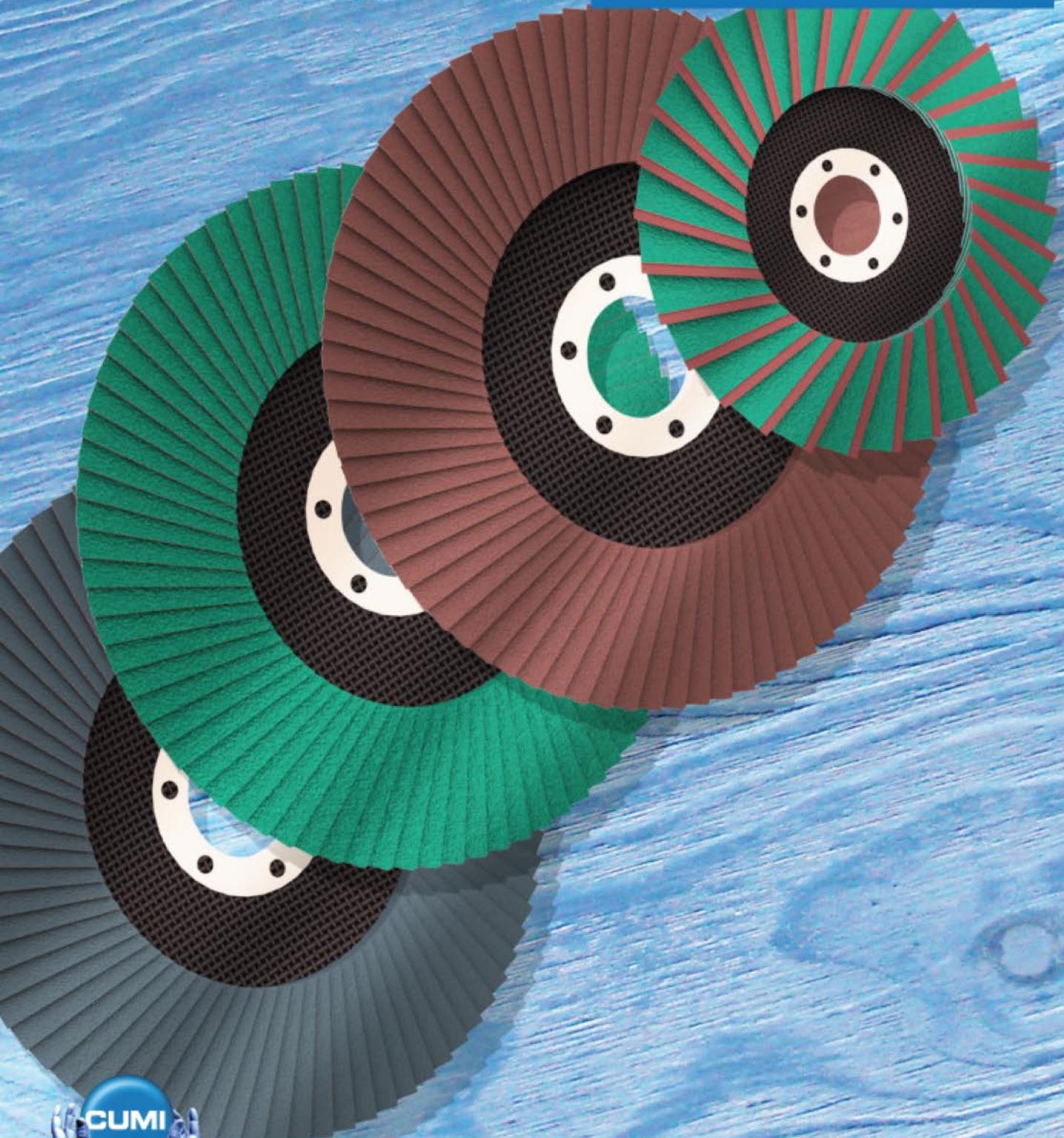
## VR / FR 543



MACHINE



# FLAP DISCS



# FLAP DISCS

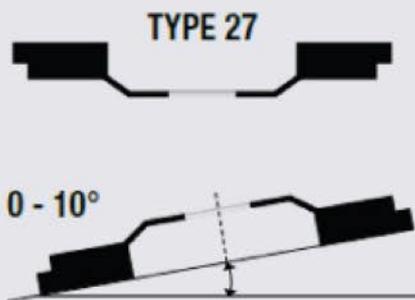
CUMI's flap disc are the one stop solution for grinding & polishing operations.

Typically, a flap disc is made of 3 components:

- Backing pad
- Bonding agent
- Abrasive cloth flaps.

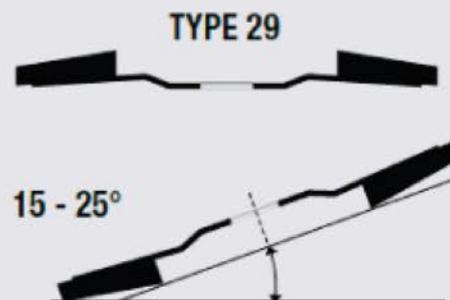


The significance of flap disc is that the abrasive grains perform the cutting action. Once the grains are fully consumed, the work piece comes in contact with the cloth material which wears away giving rise to new abrasive material to perform the operation once again. For this reason, flap discs are preferred over fiber discs and D.C wheels



Flat flap disc for maximum contact surface for grinding.

Best suited for surface grinding applications.



Conical flap disc provides greater angles.

Best suited for grinding concave surfaces, difficult to reach areas.



## BACKING PAD VARIANTS

FIBRE GLASS



Widely used variety in market

PLASTIC



Light weight & trimmable pads

ALUMINIUM



More sturdy & absorbs vibration

All of the above varieties are also available in 5/8-11" mounting hub for reduced change over time

## PRODUCT LABEL EXPLANATION

EUROPEAN SAFETY STANDARD EN 12413

MAXIMUM OPERATING SPEED



CUMIFLEX BRANDING

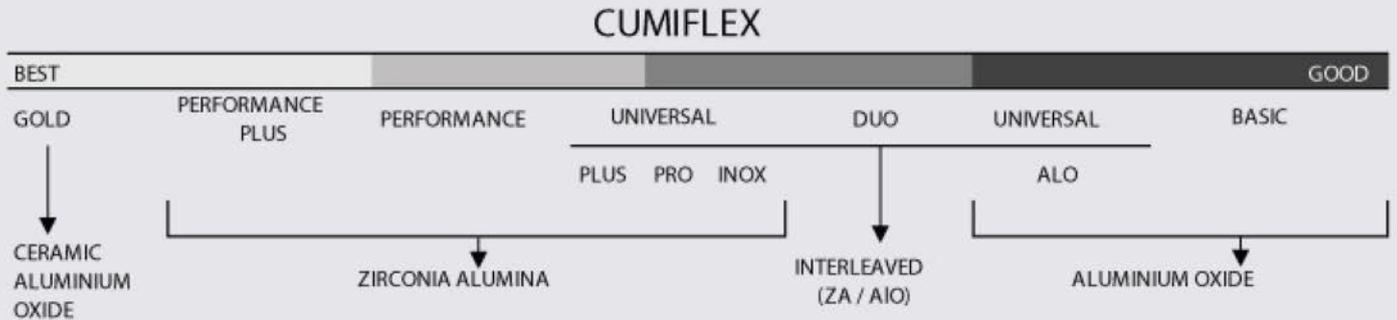
SPEED BAND

PICTOGRAM

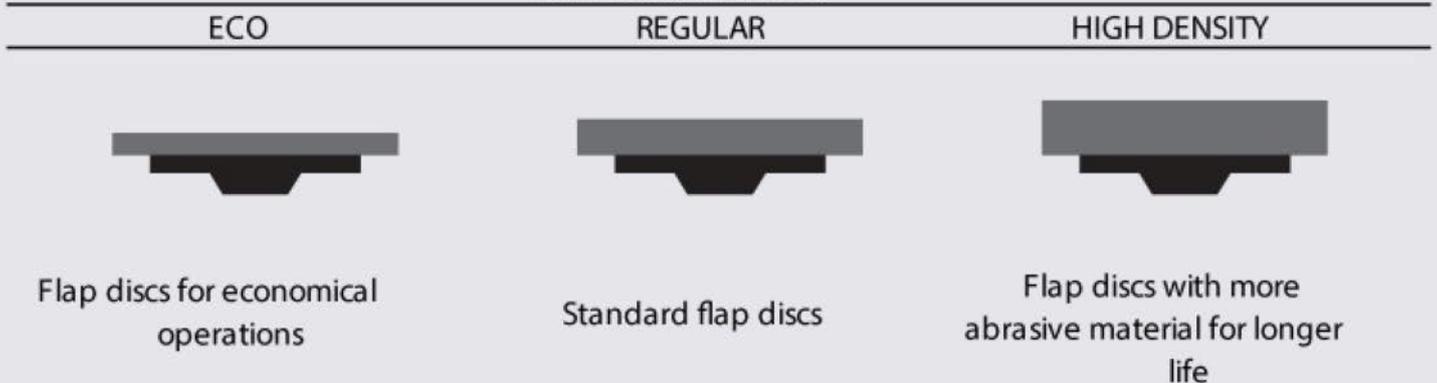
PRODUCT DIMENSION

## ABOUT CUMIFLEX FLAP DISCS:

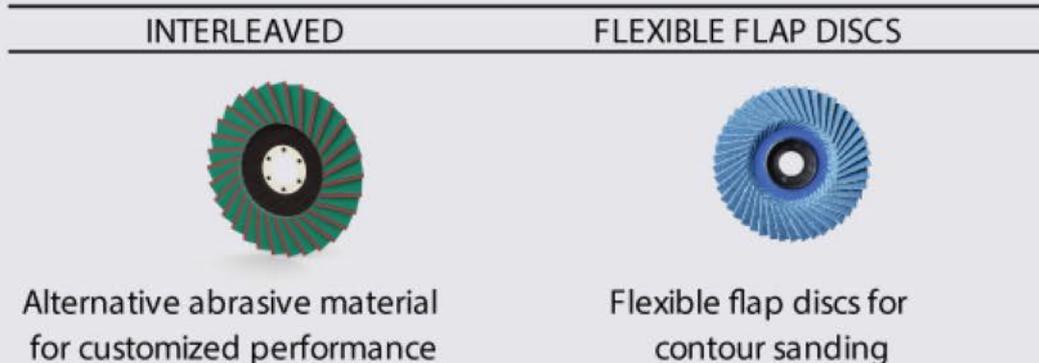
Cumiflex range of flap discs are manufactured with specially designed abrasive cloth exclusively for flap discs. The abrasive materials are chosen depending on the end application thereby yielding maximum performance and longer life. Cumiflex range of flap discs increases productivity and reduces total grinding costs. Cumiflex flap discs can be broadly classified under the following categories :



## FLAP DISC DENSITIES



## FLAP DISC VARIANTS



## CLOTH BASED

### Cumiflex Universal Plus

#### PROPERTIES

Backing X - weight cotton  
Bond Type Resin  
Coating Semi-open  
Grain Zirconia Alumina

#### MATERIALS

Steel • Stainless Steel • Non Ferrous Metal • Wood

#### FEATURES

Special coating for cooler cutting action in stainless steel. Suitable for light to medium pressure grinding

#### GRIT RANGE

60 80 120

### XS 588



#### MACHINE



#### FORM



#### SPECIAL



### Cumiflex Universal Inox

#### PROPERTIES

Backing X - weight cotton  
Bond Type Resin  
Coating Semi-open  
Grain Zirconia Alumina

#### MATERIALS

Steel • Stainless Steel • Non Ferrous Metal • Wood

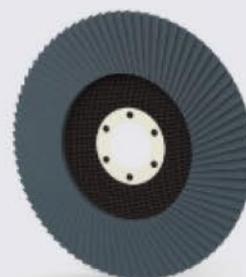
#### FEATURES

Suitable for all purpose general grinding

#### GRIT RANGE

40 60 80 120

### XD 589



#### MACHINE



#### FORM



## CLOTH BASED

Cumiflex Basic

XD 549

### PROPERTIES

---

Backing X - weight cotton  
Bond Type Resin  
Coating Semi-open  
Grain Aluminium Oxide

### MATERIALS

---

Steel • Stainless Steel • Non Ferrous Metal •  
Wood

### FEATURES

---

Suitable for all purpose general grinding



### GRIT RANGE

---

40 60 80 120



# DISCS



# DISCS

CUMI's discs find extensive use in surface preparation applications on metal, composite, wood, wall etc.,. Available in paper, cloth, film and fiber backing with different abrasives suiting different needs, they are designed for stripping, intermediate finishing and polishing applications. Wide range of hole patterns available to suit different machines.

- PSA • Hook'n loop • Plain discs
- Quick change discs
- Double side discs



HOOK 'N LOOP



QUICK CHANGE DISC



PSA



DOUBLE SIDED DISC



# PSA / HOOK 'N LOOP DISCS

Cumi's PSA / Hook 'n loop discs are available in a wide range of sizes and hole patterns to suit different machines and applications. All of these discs are also available as individual discs based on customer requirement



PSA



HOOK 'N LOOP



## HOLE PATTERNS



5" 5holes



5" 8holes



5" 9holes



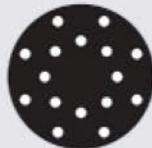
6" 5holes



6" 8holes



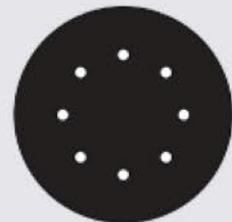
6" 9holes



6" 16holes



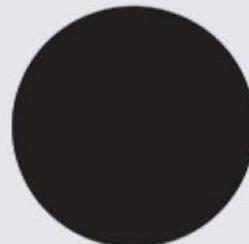
7" 8holes



9" 8holes



9" no holes



10" no holes

# PAPER BASED

## Ceramic Paper Disc

### PROPERTIES

Backing F - weight paper  
Bond Type Resin  
Coating Semi-open coat  
Grain Ceramic Aluminium Oxide

### MATERIALS

Steel • Stainless Steel • Filler • Glass Fiber •  
Wood • Cement • Paint • Varnish

### FEATURES

Premium Ceramic Aluminium Oxide grains  
for faster cutting action and longer life

### GRIT RANGE

60 80 100 120

## FP 594



MACHINE

FORMS



## Zirconia Paper Disc

### PROPERTIES

Backing F - weight paper  
Bond Type Resin  
Coating Semi-open coat  
Grain Zirconia Alumina

### MATERIALS

Steel • Stainless Steel • Filler • Glass Fiber •  
Wood • Cement • Paint • Varnish

### FEATURES

Modified bond system for high cut rate

### GRIT RANGE

60 80 120

## FP 584



MACHINE

FORMS



# PAPER BASED

## SiC Paper Disc

### PROPERTIES

Backing F - weight paper  
Bond Type Resin  
Coating Semi-open coat  
Grain Silicon Carbide

### MATERIALS

Steel • Stainless Steel • Filler • Glass Fiber •  
Wood • Cement

### FEATURES

Modified Bond system for fast cutting action

## FP 574



MACHINE

FORM



### GRIT RANGE

60 80 120 150

## AIO Paper Disc

### PROPERTIES

Backing F - weight paper  
Bond Type Resin  
Coating Semi-open coat  
Grain Premium Aluminium Oxide

### MATERIALS

Steel • Stainless Steel • Filler • Glass Fiber •  
Wood • Cement • Paint • Varnish

### FEATURES

Modified Bond system for extra durability

## FP 567



MACHINE

FORM



### GRIT RANGE

60 80 120 150 180 220 320

# PAPER BASED

## AIO Anti Static Paper Disc

### PROPERTIES

Backing C - weight paper  
Bond Type Resin  
Coating Semi-open coat  
Grain Aluminium Oxide

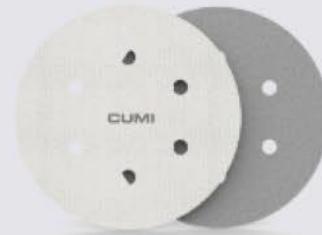
### MATERIALS

Steel • Stainless Steel • Filler • Glass Fiber •  
Wood • Cement • Paint • Varnish

### FEATURES

Antistatic property enhances performance

## CP 544



MACHINE

FORM



### GRIT RANGE

40 60 80 120 150 180 220 320 400

## AIO Stearate Paper Disc

### PROPERTIES

Backing C - weight paper  
Bond Type Resin  
Coating Semi-open coat  
Grain Aluminium Oxide

### MATERIALS

Filler • Glass Fiber • Wood

### FEATURES

Special stearate coating for anti-clogging effect

## CP 547



MACHINE

FORM



### GRIT RANGE

60 80 100 120 150 180 220 240 280 320 400 600

# CLOTH BASED

## Zirconia Cloth Disc

### PROPERTIES

Backing X - weight polycotton  
Bond Type Resin  
Coating Semi-open coat  
Grain Zirconia Alumina

### MATERIALS

Steel • Stainless Steel • Filler • Glass Fiber •  
Wood • Paint • Varnish

### FEATURES

Durable backing with self sharpening grains provide outstanding performance

### GRIT RANGE

24 36 60 80 120

## XS 581



MACHINE

FORM



## Zirconia Cloth Disc

### PROPERTIES

Backing Y - weight polycotton  
Bond Type Resin  
Coating Close coat  
Grain Zirconia Alumina

### MATERIALS

Steel • Stainless Steel • Paint • Varnish

### FEATURES

Self sharpening grains provide outstanding performance

### GRIT RANGE

80 120

## YS 582



MACHINE



# CLOTH BASED

AIO Cloth Disc

XS 561

## PROPERTIES

Backing X - weight polycotton  
Bond Type Resin  
Coating Close coat  
Grain Premium Aluminium Oxide

## MATERIALS

Steel • Stainless Steel • Filler • Glass Fiber •  
Wood • Paint • Varnish

## FEATURES

Premium grains & resin for high material  
removal rate



MACHINE

FORM



## GRIT RANGE

36 60 80 120



PSA / HOOK 'N LOOP



COATED ABRASIVES

# FILM BASED

AIO Film Disc

LF 567

## PROPERTIES

Backing	Film backing
Bond Type	Resin
Coating	Close coat
Grain	Premium Aluminium Oxide

## MATERIALS

Steel • Stainless Steel • Filler • Glass Fiber •  
Wood • Paint • Varnish

## FEATURES

Film backing facilitates excellent finish



MACHINE



## GRITRANGE

60 80 100 120 150 180 220 240 280 320 400 600 800 1000 1200 1500 2000



PSA / HOOK 'N LOOP



COATED ABRASIVES

# QUICK CHANGE DISCS

Cumi's range of quick change discs are the ideal choice for operations ranging from grinding to finishing. Due to its quick change system, these discs have gained more popularity increasing productivity and reducing change over time drastically. Quick change discs are available in two types of fastener attachments



## TYPE R

Roll on/ roll off style threaded bush

Bush made of plastic



## TYPE S

Turn on/ Turn off style bush

Bush made of metal



# APPLICATION GUIDE

BACKING	CODE	PRODUCT DESCRIPTION	COATING	MATERIAL			
				Steel	Stainless Steel	Titanium	Castings
CLOTH	YS 592	Ceramic Cloth Disc	●	●	●	●	●
	YY 585	Premium Zirconia Cloth Disc	●	●	●	●	●
	YS 588	Zirconia Cloth Disc	◐	●	●		
FIBER	VR 581	Blue Spark Zirconia Fiber Disc	●	●	●	●	●
	VR 561	Alpha Supreme Fiber Disc	●	●	●		

● CLOSE COAT    ◐ SEMI-OPEN COAT

# CLOTH BASED

## Ceramic Cloth Disc

### PROPERTIES

Backing Y - weight heavy polyester  
 Bond Type Resin  
 Coating Close coat  
 Grain Ceramic Aluminium Oxide

### MATERIALS

Steel • Stainless Steel • Titanium • Casting

### FEATURES

Tough bond with supersize coat ensures cooler cutting action

#### GRIT RANGE

36 60 80 120

## YS 592



#### MACHINE

#### FORM



## Premium Zirconia Cloth Disc

### PROPERTIES

Backing Y - weight heavy polyester  
 Bond Type Resin  
 Coating Close coat  
 Grain Zirconia Alumina

### MATERIALS

Steel • Stainless Steel • Titanium • Casting

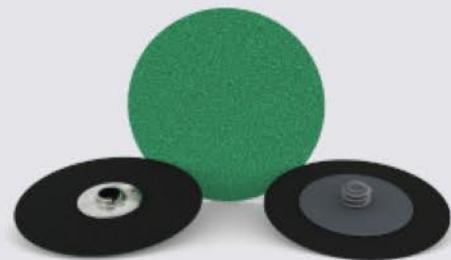
### FEATURES

Tough bond with supersize coat ensures cooler cutting action

#### GRIT RANGE

36 60 80 120

## YY 585



#### MACHINE

#### FORM

#### SPECIAL



# CLOTH BASED

## Zirconia Cloth Disc

### PROPERTIES

Backing Y - weight polycotton  
Bond Type Resin  
Coating Semi-open  
Grain Zirconia Alumina

### MATERIALS

Steel • Stainless Steel

### FEATURES

Special coating for cooler cutting action in stainless steel

## YS 588



### MACHINE



### FORM



### SPECIAL



### GRIT RANGE

40 60 80 120

# FIBER BASED

## Blue Spark

### PROPERTIES

Backing 0.8mm Vulcanised Fibre  
Bond Type Resin  
Coating Close  
Grain Zirconia Alumina

### MATERIALS

Steel • Stainless Steel • Titanium • Casting

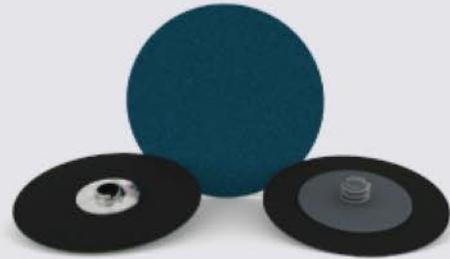
### FEATURES

Premium grains for aggressive cut

#### GRIT RANGE

24 36 50 60 80

## VR 581



MACHINE

FORM



## Alpha Supreme

### PROPERTIES

Backing 0.8mm Vulcanised Fibre  
Bond Type Resin  
Coating Semi-open  
Grain Premium Aluminium Oxide

### MATERIALS

Steel • Stainless Steel

### FEATURES

Long life with good finish

#### GRIT RANGE

24 36 50 60 80

## VR 561



MACHINE

FORM



CONSTRUCTION INDUSTRY

# NONWOVEN ABRASIVES



CARBORUNDUM UNIVERSAL LIMITED

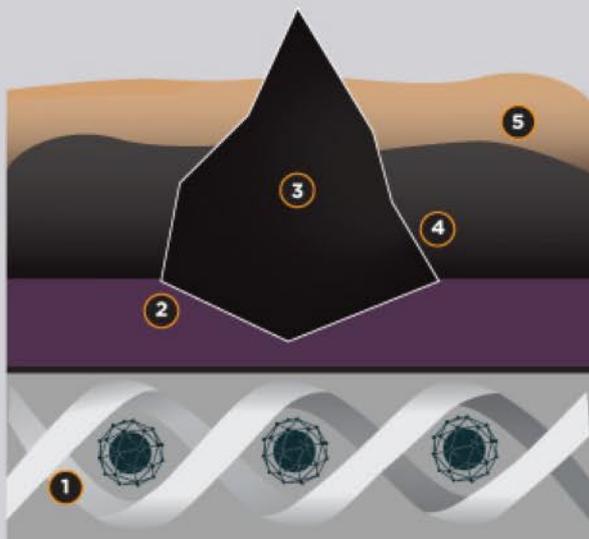
## About CUMITEX Non Woven Abrasives:

CUMI proudly presents its "CUMITEX" range of non-woven abrasive products for high performance polishing, blending, deburring, cleaning and finishing applications. Cumitex non-woven abrasives are three dimensional composite materials made from high tenacity **Polyamide 66** fibers uniformly coated with high performance abrasive grains and water proof bond.

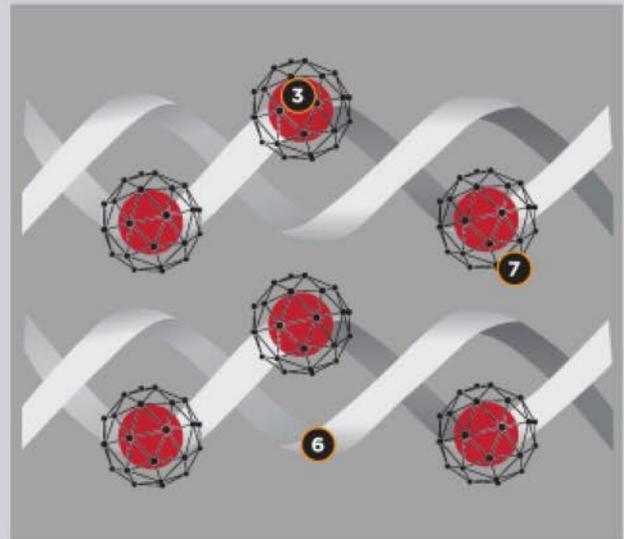
The Cumitex range of non-woven abrasives consists of flat stocks (hand pads & rolls), surface conditioning belts, unitized wheels, convolute wheels, quick change discs, unitized discs, shaft mounted flap wheels and flange mounted flap wheels.

## COMPARISON BETWEEN THE STRUCTURES

### COATED ABRASIVES



### NON WOVEN ABRASIVES



- 1 BACKING
- 2 MAKER COAT
- 3 ABRASIVE GRAIN
- 4 SIZER COAT
- 5 TOP COAT \*OPTIONAL
- 6 FIBER
- 7 RESIN BINDER

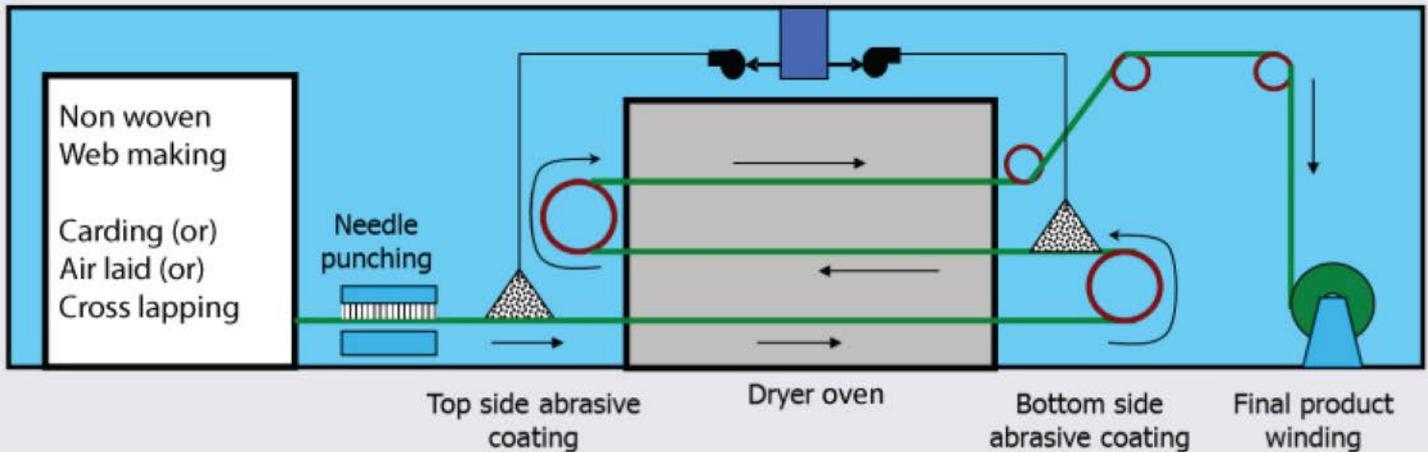
### COATED ABRASIVES

Single layer of abrasives  
Rigid woven cloth backing  
(For material removal)  
Closed backing structure

### NON WOVEN ABRASIVES

Multiple layers of abrasives  
Flexible non woven backing  
(For polishing)  
Open backing structure

# MANUFACTURING PROCESS



## CUMITEX NON WOVEN COMPOSITIONS

NON WOVEN FABRIC	ABRASIVE GRAINS	BINDERS
Polyamide 66 ( Nylon Fiber )	Silicon Carbide	Phenolic
	Aluminum Oxide	Acrylic
	Feldspar	Epoxy
Polyester ( For selected hand scouring pads )	Garnet	Coupling agents
	Calcium Carbonate	Lubricants
	Talc	Polyurethane

### Performance Requirement

- Cutting action
- Compression resistance
- Finish generation
- Elongation resistance
- Product life
- Water proof



## APPLICATIONS OF NON WOVEN ABRASIVES

INDUSTRIAL APPLICATIONS		CONSUMER APPLICATIONS	
METAL WORKING	WOOD WORKING	HOME CARE	HOSPITALITY
Cleaning	Denibbing/Defuzzing	Floor cleaning pads	Kitchen scrub pads
Deburring	Sealer/Lacquer sanding		
Blending	Profile Sanding		
Polishing/Finishing	Floor Sanding		

INDUSTRIAL PROCESS	MACHINES	NON WOVEN PRODUCTS
<p><b>DEBURRING:</b> Removal of burrs and sharp edges created by heavy duty actions like abrasive grinding, cutting, shearing etc., without altering the geometry of the base material</p> <p><b>BLENDING:</b> Levelling off surface imperfections created by welding, abrasive grinding and shearing operations</p> <p><b>SURFACE CONDITIONING:</b> Preparing the surfaces for painting, electroplating etc.,</p> <p><b>POLISHING AND FINAL FINISHING:</b> Generating aesthetic and functional finishes on metals, plastics, wood etc.,</p>	<p> <b>ANGLE GRINDERS:</b> Deburring, Blending, Surface Conditioning</p> <p> <b>STRAIGHT DIE GRINDERS:</b> Deburring, Blending</p> <p> <b>RIGHT ANGLE DIE GRINDERS:</b> Deburring, Blending, Surface Conditioning</p> <p> <b>BENCH GRINDERS:</b> Surface Conditioning, Finishing</p> <p> <b>CENTERLESS POLISHING MACHINE</b> Surface Conditioning, Finishing</p>	<p> Unitised discs</p> <p> Shaft mounted flap wheels</p> <p> Quick change discs</p> <p> Unitized wheels</p> <p> Convolute wheels</p>

# UNDERSTANDING THE PICTOGRAMS

CUMI's versatile range of products come in various forms. The pictograms below are indicative of the same.

## FORMS



SHEETS



ROLLS



FLAP WHEELS

## MACHINES



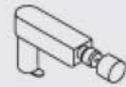
ANGLE GRINDER



BACK STAND  
GRINDER



DIE GRINDER



DRILLING MACHINE



FLEXIBLE SHAFT  
GRINDER



FLOOR STANDING  
GRINDER



HAND SANDING



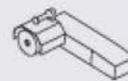
HAND TOOL BELT  
GRINDER



ORBITAL SANDER



PARQUET SANDER



SATIN FINISHING  
MACHINE



VIBRATION SANDER

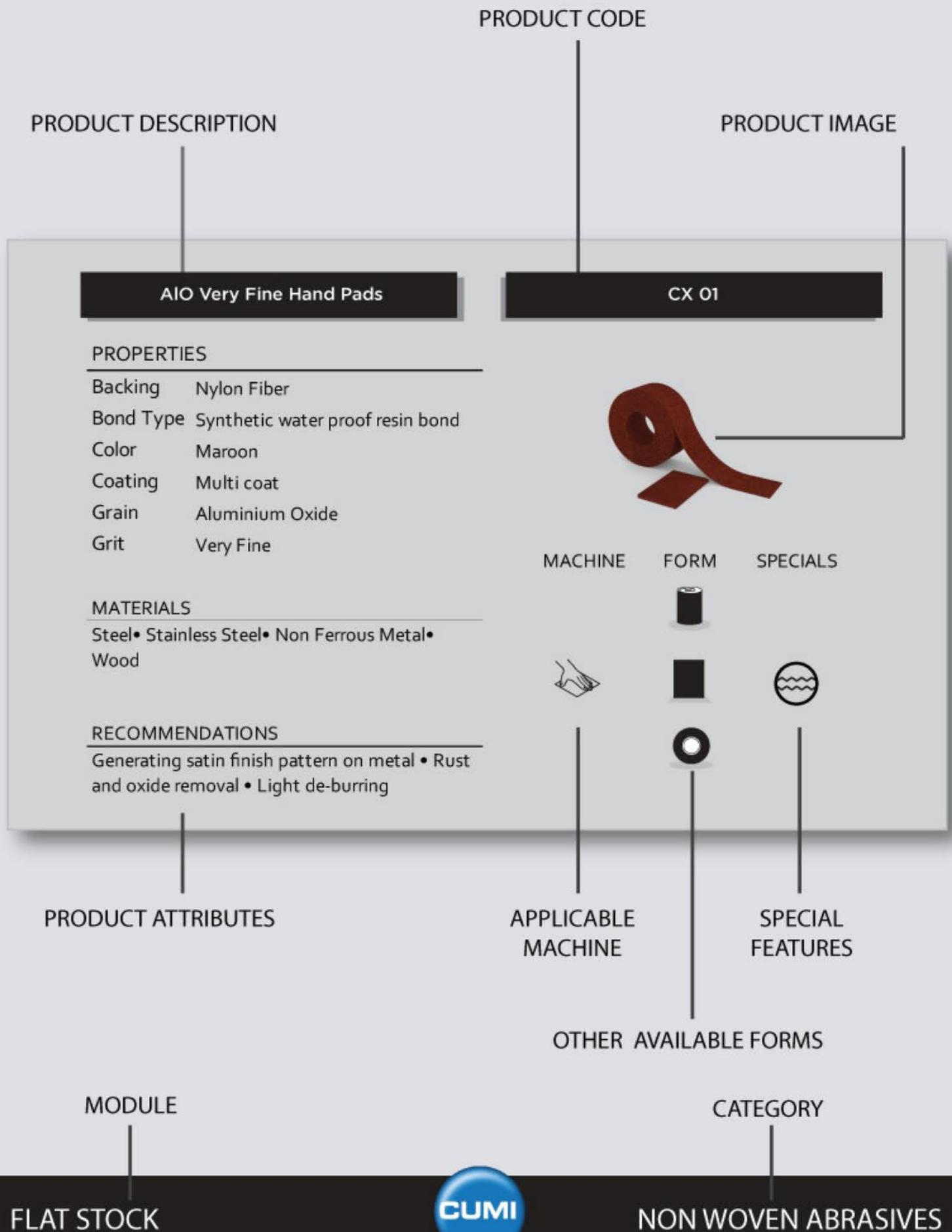
## SPECIALITY



ANTI-CLOG

Products with this pictogram consists of a stearate lubricant which minimizes the clogging effect during sanding inturn reducing friction and pro-longing life.

# HOW TO READ THE BROCHURE



# FLAT STOCK



FLOOR CARE PADS (FLOOR PADS) - NON WOVEN ABRASIVES

# FLAT STOCK ( HAND PADS & ROLLS )

- Cumitex offers wide range of nonwoven flat stock (hand pads & rolls) for free sanding and machine sanding operations.
- Made from premium quality nylon web, coated with high performance synthetic abrasive grains and water proof resin bond system, these products do not load / clog and can be used with water and polishing compounds.
- Cumitex range of flat stock are ideal for cleaning, rust removal, generating decorative finishes on brass, carbon steel, aluminium, stainless steel and wood.

## PRODUCT CODE EXPLANATION

CUMI CODE	GRAIN	GRIT	TYPE	COLOR
CX 01	Aluminium Oxide	Very Fine	Flexible	Maroon
CX 02	Aluminium Oxide	Medium	Stiff	Tan
CX 03	Silicon Carbide	Micro Fine	Flexible	Light Grey
CX 04	Silicon Carbide	Ultra Fine	Flexible	Dark Grey
CX 05	Aluminium Oxide	Fine	High Strength	Maroon
CX 06	Aluminium Oxide	Fine	High Strength	Green
CUMITEX SUPER	Aluminium Oxide	Very Fine	Flexible	Maroon
CUMITEX GP MAROON	Aluminium Oxide	Very Fine	Highly Flexible	Maroon
CUMITEX GP GREEN	Aluminium Oxide	Medium	Highly Flexible	Green
CUMITEX MD9650	Aluminium Oxide	Very Fine	Flexible	Green
CUMITEX ECO GREEN	Feldspar	Very Fine	Flexible	Green
CUMITEX HD WHITE	Feldspar	Micro Fine	Flexible	White

## CUMITEX PRODUCT SPECTRUM

AGGRESSIVE				FINISH		
CX 02	CX 05	CX 01	Super	CX 04	CX 03	HD WHITE
	CX 06		GP Maroon			
			GP Green			
			MD 9650			
			Eco Green			



# APPLICATION GUIDE

CODE	PRODUCT DESCRIPTION	MATERIAL									
		Steel	Stainless Steel	Non Ferrous Metal	Wood	Wall	Ceramic	Paint	Varnish	Plastic	Kitchen Scrub Pads
CX 01	AIO Very Fine Hand Pads	•	•	•	•						
CX 02	AIO Medium Hand Pads	•	•	•	•		•				
CX 03	SiC Ultra Fine Hand Pads	•						•	•	•	
CX 04	SiC Micro Fine Hand Pads	•						•	•	•	
CX 05	AIO Fine Hand Pads	•	•		•	•					
CX 06	AIO Fine Hand Pads	•	•		•	•					
CUMITEX SUPER	AIO Very Fine Hand Pads	•	•	•	•						
CUMITEX GP MAROON	AIO Very Fine Hand Pads	•	•	•	•						
CUMITEX GP GREEN	AIO Very Fine Hand Pads	•	•	•	•						
CUMITEX MD9650	Alo Very Fine hand scouring pads										•
CUMITEX ECO GREEN	Feldspar Very Fine hand scouring pads										•
CUMITEX HD WHITE	Non Abrasive hand pads						•	•	•	•	

Hand Pads Size		
Available Size	(mm)	inch
Width x Length	152 x 229	6 X 9

Roll Size				
Available Roll Size	mm		inch	
	Min	Max	Min	Max
Width	152	1016	6	40

GRIT	GRIT RANGE
COARSE	60 - 80
MEDIUM	100 - 120
FINE	150 - 220
VERY FINE	240 - 400
ULTRA FINE	600 - 800
MICROFINE	1000 - 1200

## AIO Very Fine Hand Pads

### PROPERTIES

Backing	Nylon Fiber
Bond Type	Synthetic water proof resin bond
Color	Maroon
Coating	Single coat
Grain	Aluminium Oxide
Grit	Very Fine

### MATERIALS

Steel • Stainless Steel • Non Ferrous Metal • Wood

### RECOMMENDATIONS

General purpose cleaning • Rust and oxide removal • Generating satin finish pattern

## AIO Medium Hand Pads

### PROPERTIES

Backing	Nylon Fiber
Bond Type	Synthetic water proof resin bond
Color	Tan
Coating	Multi Coat
Grain	Aluminium Oxide
Grit	Medium

### MATERIALS

Steel • Stainless Steel • Non Ferrous Metal • Wood • Ceramics • Wall

### RECOMMENDATIONS

Generating coarse finish pattern on metal • Sanding of ceramic and sanitary wares • Light de-burring

## CUMITEX SUPER



MACHINE

FORM



## CX 02



MACHINE

FORM

SPECIALS



## AIO Very Fine Hand Pads

### PROPERTIES

---

Backing	Nylon Fiber
Bond Type	Synthetic water proof resin bond
Color	Maroon
Coating	Single coat
Grain	Aluminium Oxide
Grit	Very Fine

### MATERIALS

---

Steel • Stainless Steel • Non Ferrous Metal • Wood

### RECOMMENDATIONS

---

General purpose cleaning • Rust and oxide removal • Generating satin finish pattern

## CUMITEX SUPER



MACHINE

FORM



## AIO Very Fine Hand Pads

### PROPERTIES

---

Backing	Nylon Fiber
Bond Type	Synthetic water proof resin bond
Color	Maroon
Coating	Single coat
Grain	Aluminium Oxide
Grit	Very Fine

### MATERIALS

---

Steel • Stainless Steel • Non Ferrous Metal • Wood

### RECOMMENDATIONS

---

Excellent finish and Ra values on metal • Orbital sanders • Wood sanding

## CUMITEX GP MAROON

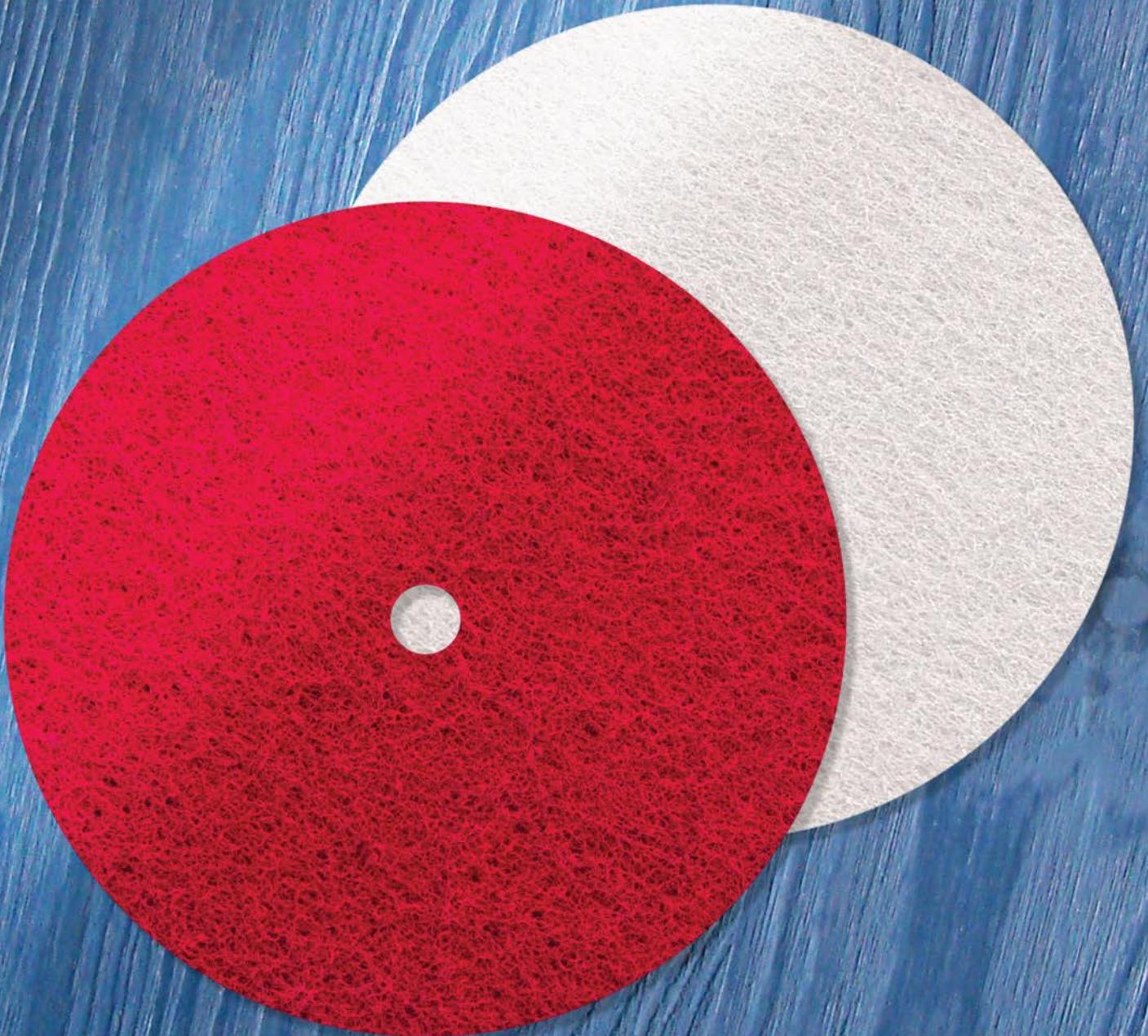


MACHINE

FORM



# FLOOR PADS

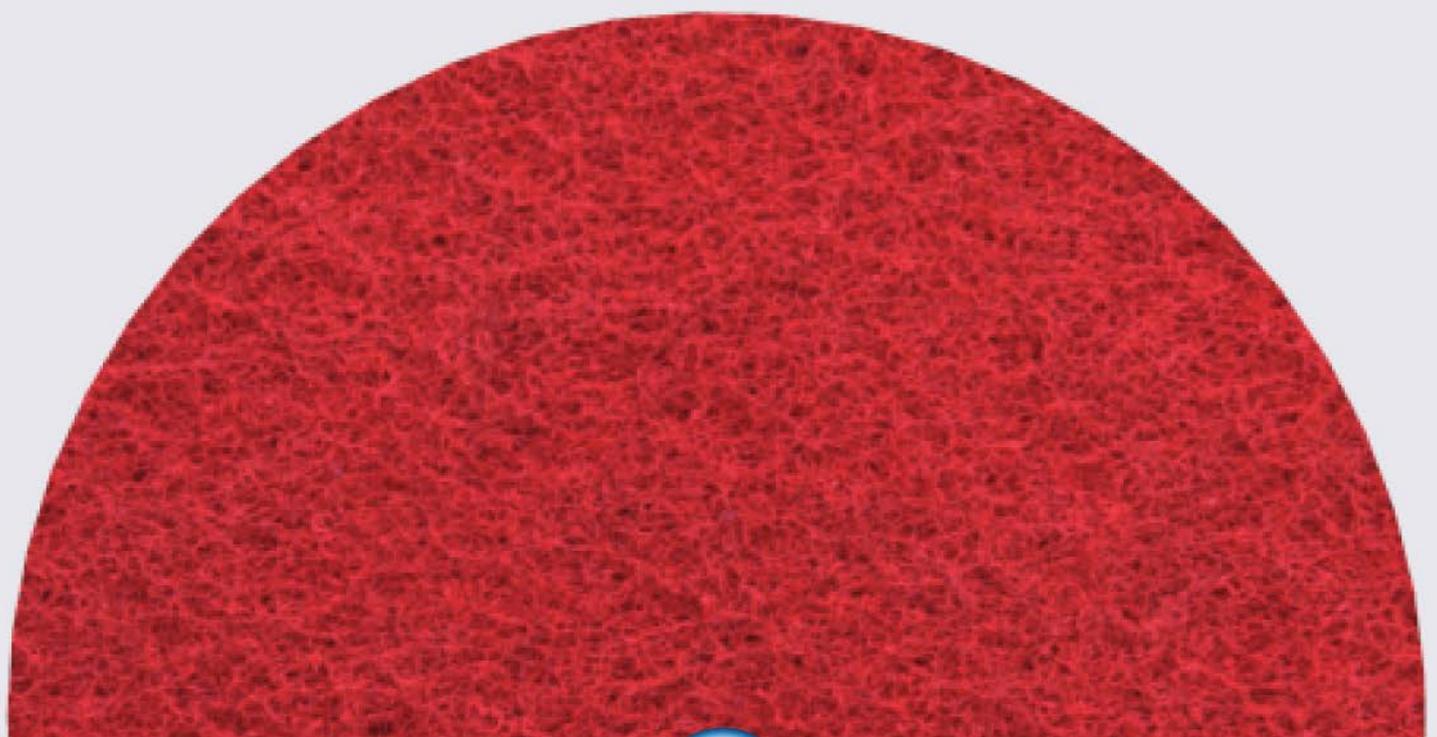


FLOOR CARE PADS (FLOOR PADS) - NON WOVEN ABRASIVES

# FLOOR PADS

- Made from high strength non woven abrasive web; for cleaning and maintenance of floors
- Range of products available for cleaning of hard dirty floors to smooth marble surfaces
- Runs at 175 to 350 rpm
- Can be used along with alkaline cleaner solutions
- Color coded for easy identification

AVAILABLE SIZE	mm	inch
Diameter	406.4	16
	431.8	17
	457.2	18
	482.6	19
	508	20



## Black Stripping Pads

### PROPERTIES

---

Backing	Nylon Fiber
Bond Type	Synthetic water proof resin bond
Color	Black
Coating	Multi Coat
Grain	Aluminium Oxide
Grit	Medium

### MATERIAL

---

Heavy duty scrubbing • Suitable for rough industrial floors

## TK BLACK



MACHINE



## Green Scrubbing Pads

### PROPERTIES

---

Backing	Nylon Fiber
Bond Type	Synthetic water proof resin bond
Color	Green
Coating	Multi Coat
Grain	Aluminium Oxide
Grit	Very Fine

### MATERIAL

---

Wet & heavy duty scrubbing pads • Suitable for concrete & irregular floors

## TK GREEN



MACHINE



## Red Buffing Pads

### PROPERTIES

---

Backing	Nylon Fiber
Bond Type	Synthetic water proof resin bond
Color	Red
Coating	Multi Coat
Grain	Talc
Grit	Non Abrasive

### RECOMMENDATIONS

---

Dry buffing and spray buffing on all types of floors • Suitable for light duty scrubbing on marbles

## TK RED



MACHINE



## White/ Blue Polishing Pads

### PROPERTIES

---

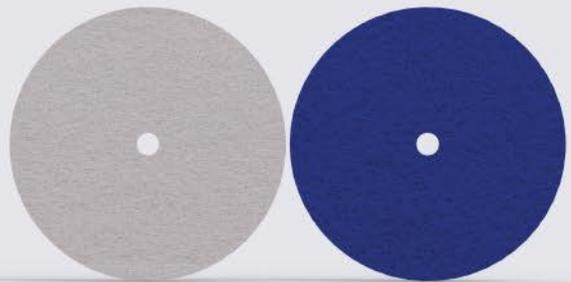
Backing	Nylon Fiber
Bond Type	Synthetic water proof resin bond
Color	White / Blue
Coating	Multi Coat
Grain	Talc
Grit	Non Abrasive

### RECOMMENDATIONS

---

For dry polishing & polishing with mist • Suitable for high gloss on marbles & granites

## TK WHITE / TK BLUE



MACHINE



CONSTRUCTION INDUSTRY

# CUTTING AND GRINDING WHEELS



**CUMI FLEX**  
UNIVERSAL PLUS

HI-CUT

180 x 6.3 x 22.23 MM  
7 1/8" x 1/8" x 7/8"  
A24-TBF

CUMI CARBORUNDUM UNIVERSAL  
MADRAS INDIA

**CUMI FLEX**

**GOLD**

EN 12413  
ANSI B7.1

MOS 10200 RPM

HI-CUT - Steel



180 x 3.2 x 22.23mm  
7 x 1/8 x 7/8"

CUMI CARBORUNDUM UNIVERSAL  
MADRAS INDIA

**CUMI FLEX**

EN 12413  
ANSI B7.1

MOS 8500 RPM

HI-CUT - Steel



180 x 6.3 x 22.23 MM  
7 x 1/8 x 7/8"  
A24-TBF

CUMI CARBORUNDUM UNIVERSAL  
MADRAS INDIA

**CUMI FLEX**

**GOLD**

**CERAMIC**

EN 12413  
ANSI B7.1

MOS 6500 RPM  
80 m/s

125 x 1.6 x 22.23 MM  
5G46 S BF



5 x 1/8 x 7/8"  
125 x 1.6 x 22.23 MM  
5G46 S BF

CUMI



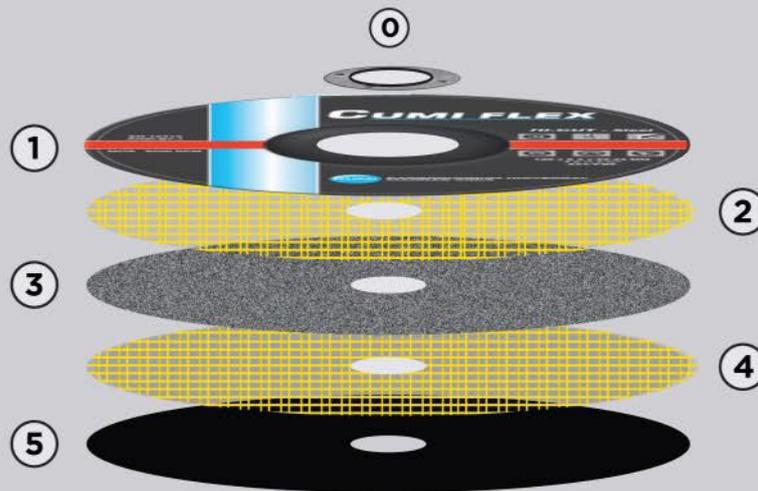
CARBORUNDUM UNIVERSAL LIMITED

# CUTTING & GRINDING WHEELS

## About Cutting & Grinding Wheels:

Cutting & grinding wheels comprises of abrasive grains held together by resin bonds and are reinforced by glass fibers. Ranging from 1mm to 9mm thickness, they are extensively used in various industries like construction, fabrication, foundries shipyards, aerospace and automotive.

## COMPONENTS OF GRINDING WHEELS



METAL  
BUSH

LABEL

GLASS FIBER  
REINFORCEMENT

MIXTURE OF  
ABRASIVE GRAINS,  
RESINS & FILLERS

GLASS FIBER  
REINFORCEMENT

BLACK  
PAPER

0

1

2

3

4

5



## ABOUT CUMIFLEX

CUMIFLEX cutting & grinding wheels are produced in the state of the art manufacturing facility, with stringent process controls and final product quality checks. By this, not only the best grinding performances are achieved, but also the highest level of product safety is maintained in accordance with EN 12413 and ANSI B7.1 standards.

The uniqueness of the product design allows for the most optimum grinding performance - good cutting action and excellent tool life, consistently throughout the product life. The core strength of CUMI has been the ability to customize products for specific application needs. While this application guide is just a starting point, our engineers are always there to help out with any specific applications or queries.

### SPEED CONVERSION

Wheel Diameter	Maximum peripheral operating speed in m/s		
(mm)	63	80	100
100	12100	15300	19100
115	10500	13300	16650
125	9650	12250	15300
150	8050	10200	12700
180	6700	8500	10650
200	6050	7650	9550
230	5250	6650	8350
300/305	4050	5100	6400
350/356	3450	4400	5500
400/406	3050	3850	4800



# PRODUCT LABEL EXPLANATION



# PRODUCT CODE EXPLANATION

27	HCT	100	63	T
WHEEL TYPE	APPLICATION CATEGORY	WHEEL DIAMETER	WHEEL THICKNESS	GRADE HARDNESS
TYPE27	HCT Hicut - Steel	100 = 100 mm	63 = 6.3 mm	R Soft
TYPE41	ZRC Zirconia			T Medium
TYPE42	INO SS Inox			U Hard
	HCB Hicarb - Stone			
	ALU Aluminium			
	CHA Chop Saw Steel			
	CHC Chop Saw Stone			

# PICTOGRAMS



## CUMIFLEX RANGE

Cumiflex cutting & grinding wheels are available in three different variants classified based on performance and life



### CUMIFLEX GOLD

Premium products for high performance and longer life with lower operating costs satisfying customer demands



### CUMIFLEX PERFORMANCE

Product range optimised for an excellent combination of life and performance for various applications



### CUMIFLEX UNIVERSAL

Universal products designed for price - performance ratio offering good performance levels

## COLOR CODE RELATIONSHIP



 CERAMIC

 STEEL

 ZIRCONIA



 SS- INOX

 STONE

 ALUMINIUM

# MACHINE PICTOGRAMS



ANGLE GRINDER



CHOP SAW



STATIONERY MACHINE



PETROL SAW



EN 12413



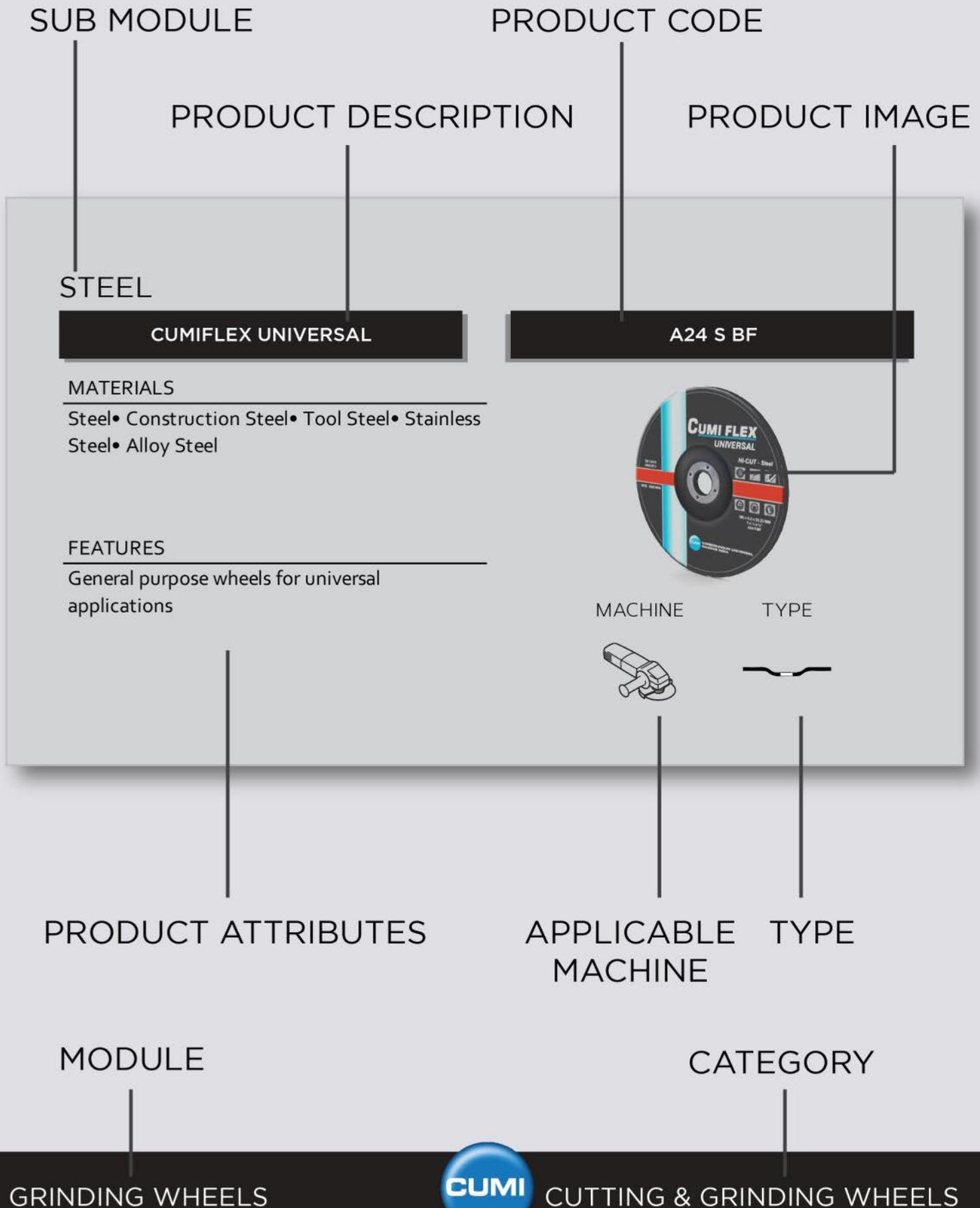
## DO

1. DO always follow instructions for proper storage.
2. DO always visually inspect grinding wheels before mounting.
3. DO always use a safety guard, which should cover nearly one half of the grinding wheel.
4. DO always use non-reinforced cutting-off wheels on fixed stationary machines.
5. DO always allow newly mounted wheels to run at operating speed with the guard in place for atleast one minute before cutting or grinding.
6. DO have machine speeds checked regularly, especially after maintenance or repair.
7. DO grind at the prescribed angle to the item with depressed-centre grinding wheels on an angle grinding machine.
8. DO always wear protective safety clothing, dust masks, eye and ear protection.

## DON'T

1. DON'T store wheels in a damp atmosphere or in extreme temperatures.
2. DON'T use non-reinforced cutting-off wheels on portable machines.
3. DON'T mount a damaged wheel.
4. DON'T exceed the maximum operating speed marked on the wheel.
5. DON'T force a wheel onto a machine spindle.
6. DON'T use mounting flanges which are incorrect, damaged, or worn out.
7. DON'T tighten the mounting nut or locking flange excessively. This can distort the flanges.
8. DON'T apply side pressure to cutting-off wheels.
9. DON'T stop the wheel after use by applying pressure to the wheel edge or side. Always switch off the machine and allow the wheel to stop running.

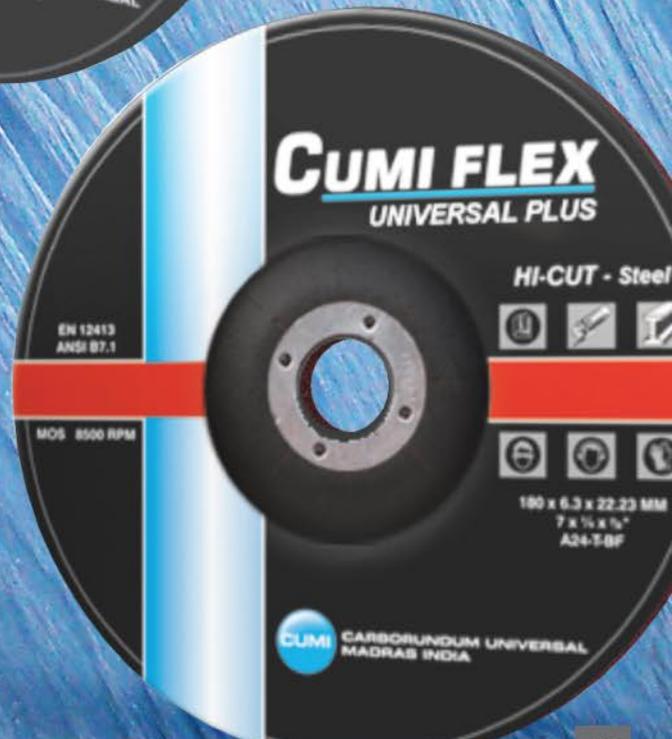
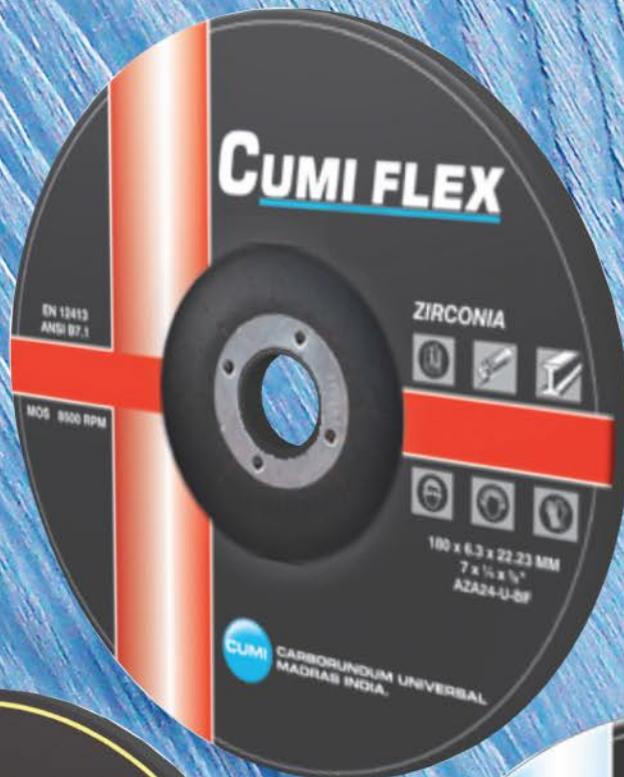
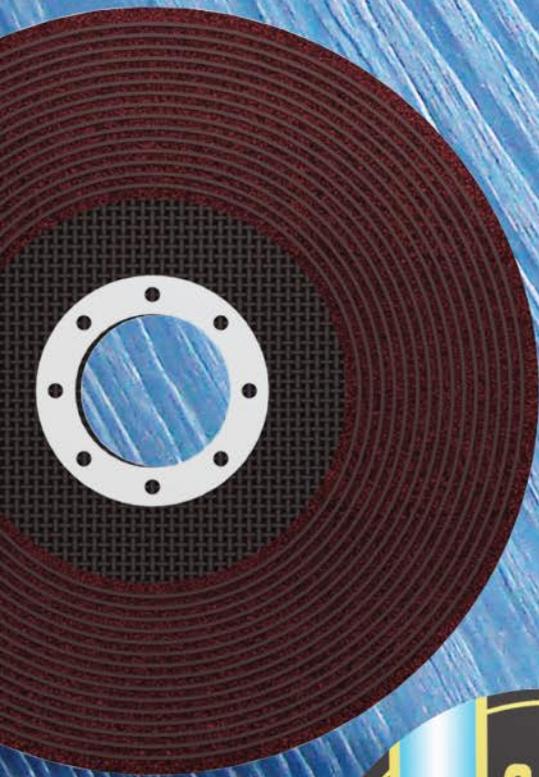
# HOW TO READ THE BROCHURE



GRINDING WHEELS

CUTTING & GRINDING WHEELS

# GRINDING WHEELS



# STEEL

High performance wheels suited for weld and edge grinding

## CUMIFLEX GOLD

### MATERIALS

Steel • Construction Steel • Tool Steel  
• Stainless Steel • Alloy Steel

### FEATURES

High Performance abrasive grains with specially designed bond for best in class performance

## SA24 T BF



MACHINE

TYPE



## CUMIFLEX PERFORMANCE

### MATERIALS

Steel • Construction Steel • Tool Steel •  
Stainless Steel • Alloy Steel

### FEATURES

Premium blend of abrasive grains for optimum life and grinding action

## A24 T BF



MACHINE

TYPE



# STEEL

## CUMIFLEX UNIVERSAL

### MATERIALS

- Steel • Construction Steel • Tool Steel  
 • Stainless Steel • Alloy Steel

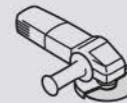
### FEATURES

General purpose wheels for universal applications

## A24 S BF



MACHINE



TYPE



TYPE	DIMENSIONS ( D x T x B )		CUMI CODE			SPEED rpm	PACK qty
	mm	inch	GOLD	PERFORMANCE	UNIVERSAL		
	100 x 4 x 16	4 x 5/32 x 5/8	27HCT10040U	27HCT10040T	27HCT10040S	15300	100
	100 x 6.3 x 16	4 x 1/4 x 5/8	27HCT10063U	27HCT10063T	27HCT10063S	15300	100
	115 x 4 x 22.23	4-1/2 x 5/32 x 7/8	27HCT11540U	27HCT11540T	27HCT11540S	13300	100
	115 x 6.3 x 22.23	4-1/2 x 1/4 x 7/8	27HCT11563U	27HCT11563T	27HCT11563S	13300	100
	125 x 6.3 x 22.23	5 x 1/4 x 7/8	27HCT12563U	27HCT12563T	27HCT12563S	12250	100
	150 x 6.3 x 22.23	6 x 1/4 x 7/8	27HCT15063U	27HCT15063T	27HCT15063S	10200	100
	180 x 4 x 22.23	7 x 5/32 x 7/8	27HCT18040U	27HCT18040T	27HCT18040S	8500	25
	180 x 6.3 x 22.23	7 x 1/4 x 7/8	27HCT18063U	27HCT18063T	27HCT18063S	8500	25
	230 x 6.3 x 22.23	9 x 1/4 x 7/8	27HCT23063U	27HCT23063T	27HCT23063S	6650	25

5/8-11" mounting hub available on request

# STEEL

## CUMIFLEX UNIVERSAL PLUS

### MATERIALS

- Steel • Construction Steel • Tool Steel  
 • Stainless Steel • Alloy Steel

### FEATURES

Grooved pattern for high metal removal rate and smoother cutting with less load on operator

## A24 S BF



MACHINE



TYPE



TYPE	DIMENSIONS ( D x T x B )		CUMI CODE	SPEED	PACK
	mm	inch			
	100 x 4 x 16	4 x 5/32 x 5/8	27HCT10040SP	15300	100
	100 x 6.3 x 16	4 x 1/4 x 5/8	27HCT10063SP	15300	100
	115 x 4 x 22.23	4-1/2 x 5/32 x 7/8	27HCT11540SP	13300	100
	115 x 6.3 x 22.23	4-1/2 x 1/4 x 7/8	27HCT11563SP	13300	100
	125 x 6.3 x 22.23	5 x 1/4 x 7/8	27HCT12563SP	12250	100
	150 x 6.3 x 22.23	6 x 1/4 x 7/8	27HCT15063SP	10200	100
	180 x 4 x 22.23	7 x 5/32 x 7/8	27HCT18040SP	8500	25
	180 x 6.3 x 22.23	7 x 1/4 x 7/8	27HCT18063SP	8500	25
	230 x 6.3 x 22.23	9 x 1/4 x 7/8	27HCT23063SP	6650	25

5/8-11" mounting hub available on request



# ZIRCONIA

Premium grinding wheels for Stainless Steel with excellent cutting action and long wheel life.

## CUMIFLEX PERFORMANCE

### MATERIALS

Steel • Construction Steel • Tool Steel  
• Stainless Steel • Alloy Steel

### FEATURES

Premium zirconia grains for superior grinding experience

## ZA24 T BF



MACHINE

TYPE



## CUMIFLEX UNIVERSAL

### MATERIALS

Steel • Construction Steel • Tool Steel  
• Stainless Steel • Alloy Steel

### FEATURES

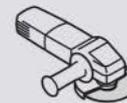
Zirconia grain combination for faster and aggressive grinding

## AZA24 T BF



MACHINE

TYPE



TYPE	DIMENSIONS ( D x T x B )		CUMI CODE		SPEED	PACK
	mm	inch	PERFORMANCE	UNIVERSAL	rpm	qty
	100 x 6.3 x 16	4 x 1/4 x 5/8	27ZIR10063T	27ZIR10063S	15300	100
	115 x 6.3 x 22.23	4-1/2 x 1/4 x 7/8	27ZIR11563T	27ZIR11563S	13330	100
	125 x 6.3 x 22.23	5 x 1/4 x 7/8	27ZIR12563T	27ZIR12563S	12250	100
	150 x 6.3 x 22.23	6 x 1/4 x 7/8	27ZIR15063T	27ZIR15063S	10200	100
	180 x 6.3 x 22.23	7 x 1/4 x 7/8	27ZIR18063T	27ZIR18063S	8500	25
	230 x 6.3 x 22.23	9 x 1/4 x 7/8	27ZIR23063T	27ZIR23063S	6650	25

5/8-11" mounting hub available on request

# STONE

General purpose grinding wheel for stone, concrete, asphalt, cast steel, grey and SG cast iron

## CUMIFLEX PERFORMANCE

## C24 R BF

### MATERIALS

Grey Cast iron • SG Cast Iron • Aluminium •  
Copper • Bronze • Brass • Granite • Marble •  
Ceramics • Concrete • Glass

### FEATURES

Optimised for longer life and faster cut rate



MACHINE

TYPE



TYPE	DIMENSIONS ( D x T x B )		CUMI CODE	SPEED	PACK
	mm	inch	PERFORMANCE	rpm	qty
	100 x 4 x 16	4 x 5/32 x 5/8	27HCB10040T	15300	100
	100 x 6.3 x 16	4 x 1/4 x 5/8	27HCB10063T	15300	100
	115 x 4 x 22.23	4-1/2 x 5/32 x 7/8	27HCB11540T	13330	100
	115 x 6.3 x 22.23	4-1/2 x 1/4 x 7/8	27HCB11563T	13330	100
	125 x 6.3 x 22.23	5 x 1/4 x 7/8	27HCB12563T	12250	100
	150 x 6.3 x 22.23	6 x 1/4 x 7/8	27HCB15063T	10200	100
	180 x 4 x 22.23	7 x 5/32 x 7/8	27HCB18040T	8500	25
	180 x 6.3 x 22.23	7 x 1/4 x 7/8	27HCB18063T	8500	25
	230 x 6.3 x 22.23	9 x 1/4 x 7/8	27HCB23063T	6650	25

5/8-11" mounting hub available on request

# CUTTING WHEELS



# STEEL

Cutting wheels suitable for all metal cutting applications.

## CUMIFLEX GOLD

### MATERIALS

Steel • Construction Steel • Tool Steel  
• Stainless Steel • Alloy Steel

### FEATURES

High Performance abrasive grains with specially designed bond for best in class performance

## SA30 T BF



MACHINE



TYPE



## CUMIFLEX PERFORMANCE

### MATERIALS

Steel • Construction Steel • Tool Steel  
• Stainless Steel • Alloy Steel

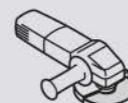
### FEATURES

Premium blend of abrasive grains for optimum life and cutting action

## A30 T BF



MACHINE



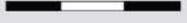
TYPE



# STEEL

TYPE	DIMENSIONS ( D x T x B )		CUMI CODE		SPEED rpm	PACK SIZE qty
	mm	inch	GOLD	PERFORMANCE		
	100 x 3.2 x 16	4 x 1/8 x 5/8	42HCT10032U	42HCT10032T	15300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	42HCT11532U	42HCT11532T	13300	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	42HCT12532U	42HCT12532T	12250	100
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	42HCT18032U	42HCT18032T	8500	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	42HCT23032U	42HCT23032T	6650	50

5/8-11" safety hub available on request

TYPE	DIMENSIONS ( D x T x B )		CUMI CODE		SPEED rpm	PACK SIZE qty
	mm	inch	GOLD	PERFORMANCE		
	100 x 2.5 x 16	4 x 3/32 x 5/8	41HCT10025U	41HCT10025T	15300	100
	100 x 3.2 x 16	4 x 1/8 x 5/8	41HCT10032U	41HCT10032T	15300	100
	115 x 2.5 x 22.23	4-1/2 x 3/32 x 7/8	41HCT11525U	41HCT11525T	13300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	41HCT11532U	41HCT11532T	13300	100
	125 x 2.5 x 22.23	5 x 3/32 x 7/8	41HCT12525U	41HCT12525T	12250	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	41HCT12532U	41HCT12532T	12250	100
	180 x 2.5 x 22.23	7 x 3/32 x 7/8	41HCT18025U	41HCT18025T	8500	50
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	41HCT18032U	41HCT18032T	8500	50
	230 x 2.5 x 22.23	9 x 3/32 x 7/8	41HCT23025U	41HCT23025T	8500	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	41HCT23032U	41HCT23032T	8500	50

5/8-11" mounting hub available on request



# ZIRCONIA

Premium cutting wheel for Stainless Steel and other metals with excellent cutting action and longer wheel life.

## CUMIFLEX GOLD

### MATERIALS

Steel • Construction Steel • Tool Steel  
• Stainless Steel • Alloy Steel

### FEATURES

Premium zirconia grains for superior cutting experience



MACHINE

TYPE



## CUMIFLEX PERFORMANCE

### MATERIALS

Steel • Construction Steel • Tool Steel  
• Stainless Steel • Alloy Steel

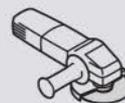
### FEATURES

Zirconia grain combination for faster and aggressive cutting



MACHINE

TYPE



# ZIRCONIA

TYPE	DIMENSIONS ( D x T x B )		CUMI CODE		SPEED	PACK SIZE
	mm	inch	GOLD	PERFORMANCE	rpm	qty
	100 x 3.2 x 16	4 x 1/8 x 5/8	42ZRC10032U	42ZRC10032T	15300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	42ZRC11532U	42ZRC11532T	13300	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	42ZRC12532U	42ZRC12532T	12250	100
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	42ZRC18032U	42ZRC18032T	8500	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	42ZRC23032U	42ZRC23032T	6650	50

5/8-11" mounting hub available on request

TYPE	DIMENSIONS ( D x T x B )		CUMI CODE		SPEED	PACK SIZE
	mm	inch	GOLD	PERFORMANCE	rpm	qty
	100 x 3.2 x 16	4 x 1/8 x 5/8	41ZRC10032U	41ZRC10032T	15300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	41ZRC11532U	41ZRC11532T	13300	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	41ZRC12532U	41ZRC12532T	12250	100
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	41ZRC18032U	41ZRC18032T	8500	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	41ZRC23032U	41ZRC23032T	6650	50

5/8-11" mounting hub available on request



# STONE

Universal cutting wheel suitable for stone, concrete, cast steel and cast iron.

## CUMIFLEX PERFORMANCE

### MATERIALS

- Grey Cast Iron • SG Cast Iron • Aluminium  
 • Copper • Bronze • Brass • Granite • Marble  
 • Ceramics • Concrete • Glass

### FEATURES

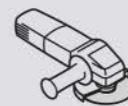
Optimised for longer life and faster cut rate

## C30 R BF



MACHINE

TYPE



TYPE	DIMENSIONS ( D x T x B )		CUMI CODE	SPEED	PACK SIZE
	mm	inch	PERFORMANCE	rpm	qty
	100 x 3.2 x 16	4 x 1/8 x 5/8	42HCB10032T	15300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	42HCB11532T	13300	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	42HCB12532T	12250	100
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	42HCB18032T	8500	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	42HCB23032T	6650	50

5/8-11" mounting hub available on request

TYPE	DIMENSIONS ( D x T x B )		CUMI CODE	SPEED	PACK SIZE
	mm	inch	PERFORMANCE	rpm	qty
	100 x 3.2 x 16	4 x 1/8 x 5/8	41HCB10032T	15300	100
	115 x 3.2 x 22.23	4-1/2 x 1/8 x 7/8	41HCB11532T	13300	100
	125 x 3.2 x 22.23	5 x 1/8 x 7/8	41HCB12532T	12250	100
	180 x 3.2 x 22.23	7 x 1/8 x 7/8	41HCB18032T	8500	50
	230 x 3.2 x 22.23	9 x 1/8 x 7/8	41HCB23032T	6650	50

5/8-11" mounting hub available on request

# THIN CUTTING WHEELS



# CERAMIC

Thin cutting wheels with premium Ceramic Aluminium Oxide grains fractures under pressure thereby giving high cut rate.

## CUMIFLEX GOLD

## SG46 S BF / SG60 S BF

### MATERIALS

Stainless Steel • Nuclear Industry

### FEATURES

Micro crystalline fracture of ceramic grains yield quick cutting action with longer life



MACHINE

TYPE



TYPE	DIMENSIONS ( D x T x B )		CUMI CODE	SPEED	PACK SIZE
	mm	inch			
	100 x 1 x 16	4 x 0.04 x 5/8	41CER10010U	15300	100
	100 x 1.2 x 16	4 x 3/64 x 5/8	41CER10012U	15300	100
	100 x 1.6 x 16	4 x 1/16 x 5/8	41CER10016U	15300	100
	115 x 1 x 22.23	4-1/2 x 3/64 x 7/8	41CER11510U	13300	100
	115 x 1.2 x 22.23	4-1/2 x 3/64 x 7/8	41CER11512U	13300	100
	115 x 1.6 x 22.23	4-1/2 x 1/16 x 7/8	41CER11516U	13300	100
	125 x 1 x 22.23	5 x 3/64 x 7/8	41CER12510U	12250	100
	125 x 1.2 x 22.23	5 x 3/64 x 7/8	41CER12512U	12250	100
	125 x 1.6 x 22.23	5 x 1/16 x 7/8	41CER12516U	12250	100

5/8-11" mounting hub available on request



# LARGE DIA CUTTING WHEELS



# STEEL / STAINLESS STEEL (Centre reinforced cutting wheel)

Centre reinforced cutting wheels suitable for fast cutting of metal on chop saw machines.

## CUMIFLEX PERFORMANCE

## A30 S BF41

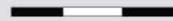
### MATERIALS

- Steel
- Construction Steel
- Tool Steel
- Stainless Steel
- Alloy Steel



MACHINE

TYPE



CRITERIA	TYPE	DIMENSIONS ( D x T x B )		CUMI CODE	SPEED	PACK SIZE
		mm	inch			
Centre reinforced		300 x 3.2 x 25.4	12 x 1/8 x 1	41CHA30032R	5100 rpm	25 qty
		350 x 3.2 x 25.4	14 x 1/8 x 1	41CHA35032R	4400 rpm	25 qty
		400 x 3.2 x 25.4	16 x 1/8 x 1	41CHA40032R	3850 rpm	25 qty



# STEEL / STAINLESS STEEL (Double Side reinforced cutting wheel)

Double side reinforced cutting wheels suitable for metal cutting on stationary saw machines

## CUMIFLEX PERFORMANCE

## A30 T BF41

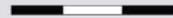
### MATERIALS

- Steel
- Construction Steel
- Tool Steel
- Stainless Steel
- Alloy Steel



MACHINE

TYPE



CRITERIA	TYPE	DIMENSIONS ( D x T x B )		CUMI CODE	SPEED	PACK SIZE
		mm	inch			
Double Side Reinforced		300 x 3.2 x 25.4	12 x 1/8 x 1	41HCT30032S	5100 rpm	25 qty
		350 x 3.2 x 25.4	14 x 1/8 x 1	41HCT35032S	4400 rpm	25 qty
		400 x 3.2 x 25.4	16 x 1/8 x 1	41HCT40032S	3850 rpm	25 qty

# STEEL / STAINLESS STEEL (For Petrol saw Machine)

## CUMIFLEX PERFORMANCE

## A30 S BF41

### MATERIALS

- Steel
- Construction Steel
- Tool Steel
- Stainless Steel
- Alloy Steel

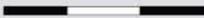


MACHINE



TYPE



CRITERIA	TYPE	DIMENSIONS ( D x T x B )		CUMI CODE	SPEED	PACK SIZE
		mm	inch	PERFORMANCE	rpm	qty
Petrol saws		300 x 3.2 x 20	12 x 1/8 x 20 mm	41HPS30032S	5100	25
		350 x 3.2 x 20	14 x 1/8 x 20 mm	41HPS35032S	4400	25
		400 x 3.2 x 20	16 x 1/8 x 20 mm	41HPS40032S	3850	25

\* Also available in 25.4 mm ( 1" ) bore

\*\* Also available in 100 m/sec



# ZIRCONIA (Double Side reinforced cutting wheel)

Double side reinforced cutting wheels suitable for metal cutting on stationary saw machines

## CUMIFLEX PERFORMANCE

## ZA30 T BF41

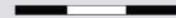
### MATERIALS

- Steel
- Construction Steel
- Tool Steel
- Stainless Steel
- Alloy Steel
- Grey Cast iron
- SG Cast Iron



MACHINE

TYPE



CRITERIA	TYPE	DIMENSIONS ( D x T x B )		CUMI CODE	SPEED	PACK SIZE
		mm	inch			
Double Side Reinforced		300 x 3.2 x 25.4	12 x 1/8 x 1	41ZRC30032S	5100	25
		350 x 3.2 x 25.4	14 x 1/8 x 1	41ZRC35032S	4400	25
		400 x 3.2 x 25.4	16 x 1/8 x 1	41ZRC40032S	3850	25

# STONE (Double reinforced cutting wheel)

Double side reinforced cutting wheels suitable for stone, concrete and cast iron cutting on stationary machines.

## CUMIFLEX PERFORMANCE

## C24 T BF41

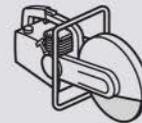
### MATERIALS

- Grey Cast Iron
- SG Cast Iron
- Aluminium
- Copper
- Bronze
- Brass
- Granite
- Marble
- Ceramics
- Concrete
- Glass



MACHINE

TYPE



CRITERIA	TYPE	DIMENSIONS ( D x T x B )		CUMI CODE	SPEED	PACK SIZE
		mm	inch			
Double Side Reinforced		300 x 3.2 x 25.4	12 x 1/8 x 1	41HCB30032S	5100	25
		350 x 3.2 x 25.4	14 x 1/8 x 1	41HCB35032S	4400	25
		400 x 3.2 x 25.4	16 x 1/8 x 1	41HCB40032S	3850	25

# STONE (For Petrol saw machine)

Double side reinforced cutting wheels suitable for stone, concrete and cast iron cutting on petrol saw machine.

## CUMIFLEX PERFORMANCE

## C30 S BF41

### MATERIALS

- Grey Cast iron
- SG Cast Iron
- Aluminium
- Copper
- Bronze
- Brass
- Granite
- Marble
- Ceramics
- Concrete
- Glass



MACHINE

TYPE



CRITERIA	TYPE	DIMENSIONS ( D x T x B )		CUMI CODE	SPEED	Pack Size
		mm	inch	PERFORMANCE	rpm	Qty
Petrol saws		300 x 3.2 x 20	12 x 1/8 x 20 mm	41CPS30032S	5100	25
		350 x 3.2 x 20	14 x 1/8 x 20 mm	41CPS35032S	4400	25
		400 x 3.2 x 20	16 x 1/8 x 20 mm	41CPS40032S	3850	25

\* Also available in 25.4 mm ( 1" ) bore

\*\* Also available in 100 m/sec

