COATED ABRASIVES

ENGINEERING SURFACES

PRODUCT CATALOGUE



ABOUT US

Carborundum Universal Limited (CUMI) is part of the US$ 4.8 billion conglomerate Murugappa Group. The company pioneered the manufacture of Coated Abrasives and Bonded Abrasives in India. In addition, we also manufacture Super Abrasives, Super Refractories, Electro Minerals. Industrial Ceramics. Ceramic Fiber and Power Tools.

CUMI manufactures the complete range of Vitrified, Resinoid and Rubber Bonded Products for various industrial applications; Cylindrical Grinding, Centerless Grinding, Surface Grinding, Face Grinding and complete range of Coated Products: Abrasive Paper, Fibre Discs, Rolls, Flap Discs, Non-Woven and Flap Wheels.

Our products address various type of industries: Automobile OEM, Auto Components, Steel, Bearing, Foundry, General Engineering, Aerospace and Wood. We also have unique products for Ball Grinding, Ball Lapping, Roll Grinding etc.

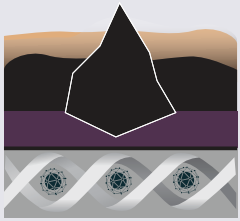
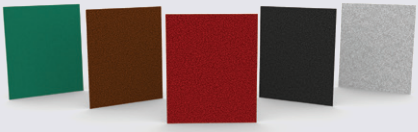
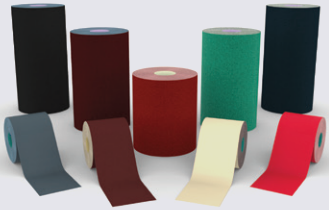
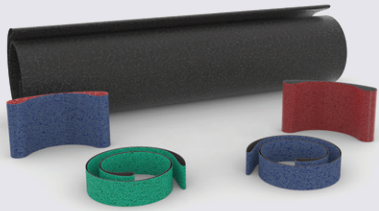
CUMI's strong R&D and Application support team provide complete grinding system engineering and technical support to customers. With strategic global alliances, state of the art manufacturing facilities and sales support centres that span across North America, Europe, Russia, South Africa, India, China and Australia, CUMI has achieved a reputation for quality and innovation.

CUMI specializes and develops specific products to meet the requirements of customers and markets.

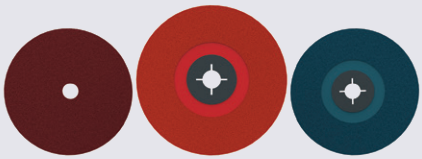
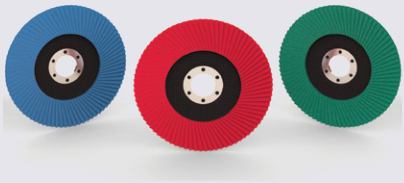
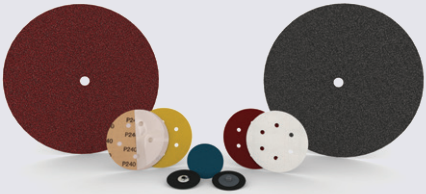
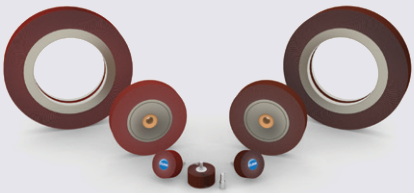


BONDED ABRASIVES | COATED ABRASIVES | NON WOVEN ABRASIVES | CUTTING AND GRINDING WHEELS | DIAMOND TOOLS | POWER TOOLS

INDEX

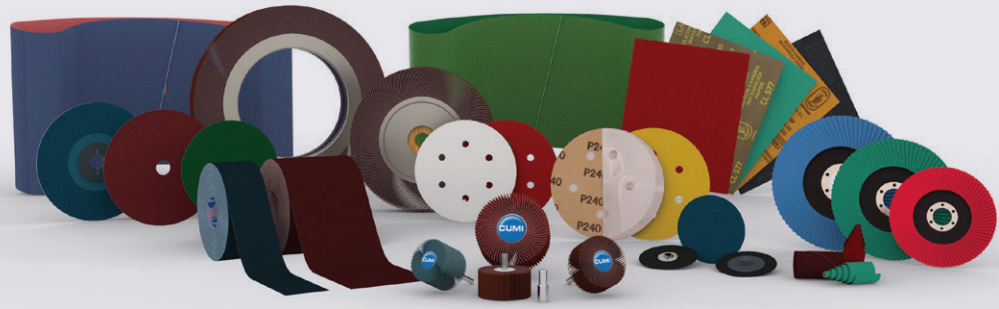
S.NO.	MODULE		PG. NO.
1	INTRODUCTION		5
2	SHEETS		14
3	ROLLS		25
4	BELTS		39

INDEX

S.NO.	MODULE		PG. NO.
5	FIBER DISCS		49
6	FLAP DISCS		61
7	DISCS		73
8	FLAP WHEEL		90

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.



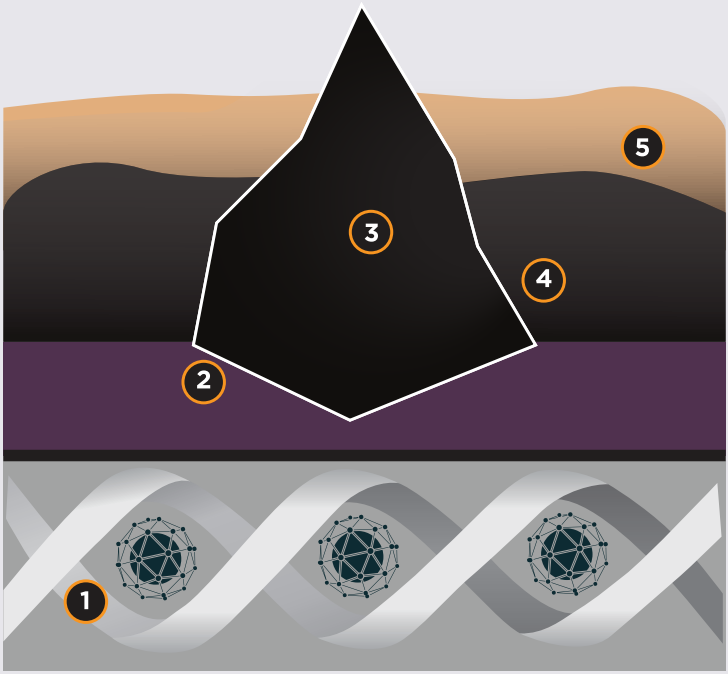
With state-of-the art Peter Schwabe Maker, CUMI produces the widest range of high quality coated abrasive products for various applications meeting stringent customer demands.



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

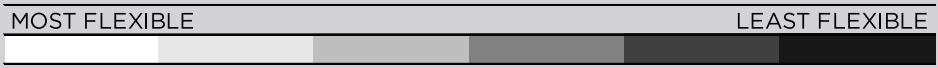
1. BACKING

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.

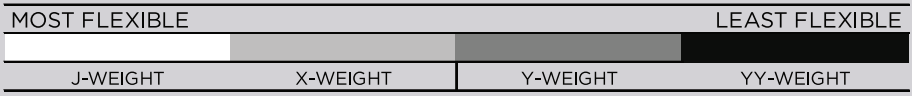
PAPER



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



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 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

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

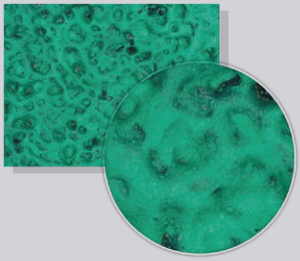
5. TOP COAT *OPTIONAL

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

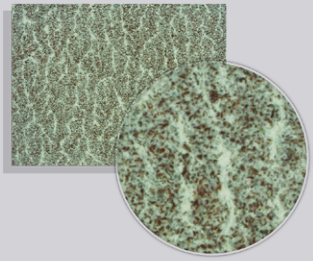
a.Anti-clogging coat : This comprises of a stearate coating which acts as a lubricant that prevents clogging by reducing friction thereby increasing life of the product

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

HOW TO READ THE BROCHURE

SUB MODULE

PRODUCT DESCRIPTION

PRODUCT CODE

PRODUCT IMAGE

PAPER BASED

SiC Latex Water Proof Paper

CL 575

PROPERTIES

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



MATERIALS

Paint• Filler• Varnish• Laquer• Plastic

MACHINE FORM SPECIAL










FEATURES

High quality latex paper for flexibility and good cutting action

GRIT RANGE

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

PRODUCT ATTRIBUTES

GRIT RANGE

OTHER FORMS

SPECIAL FEATURES

MODULE

SHEETS

CUMI

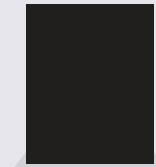
CATEGORY

COATED ABRASIVES


COATED ABRASIVES
SHEETS

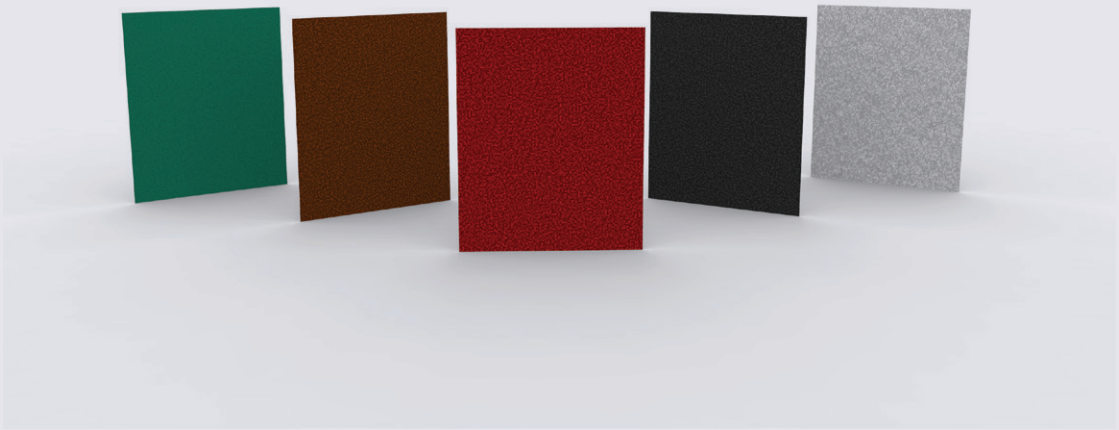
SHEETS

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		FILM
CL 575	DR 551	CR 121	JF 565	PS 502	LF 567
CL 567	CR 661	CR 111	XS 542	PG 121	
CP 547	DV/CV 371		JG 502		

APPLICATION GUIDE

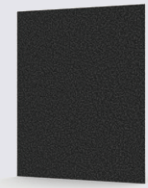
BACKING	CODE	PRODUCT DESCRIPTION	COATING	MATERIAL								
				Steel	Stainless Steel	Non Ferrous Metal	Wood	Wall	Paint	Filler	Varnish • Lacquer	Plastic
PAPER												
	CL 575	SiC Latex Water Proof Paper	●						●	●	●	●
	CL 567	AlO Latex Water Proof Paper	●				●		●	●	●	●
	CP 547	AlO Stearate Paper	◑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

● CLOSE COAT ◑ SEMI-OPEN COAT ○ OPEN COAT

PAPER BASED

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

MACHINE







SPECIAL





FEATURES

High quality latex paper for flexibility and good cutting action

GRIT RANGE

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

AlO Latex Water Proof Paper

CL 567



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

MACHINE



FORM



SPECIAL















FEATURES

Premium Aluminium Oxide grains for quick cutting action

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

MACHINE FORM SPECIAL



GRIT RANGE

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

CP 547



MACHINE FORM SPECIAL

GRIT RANGE

40 50 60 80 100 120 150 180 220

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

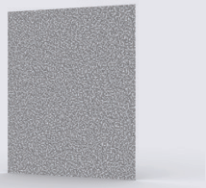
MACHINE FORM SPECIAL



GRIT RANGE

40 50 60 80 100 120 150 180 220

DR 551



MACHINE FORM SPECIAL

PAPER BASED

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

CR 661



MACHINE







GRIT RANGE

50 60 80 100 120 150 180 220

SiC Water Proof Paper

PROPERTIES

Backing	Wet Strength D / C - 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

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 polycotton
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

JF 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 AlO Cloth Sheet

JG 502

PROPERTIES

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



MATERIALS

Steel• Wood• Paint

MACHINE FORM







FEATURES

Economical product for all purpose general sanding



GRIT RANGE

50 60 80 100 120

Plain Weave AlO Cloth Sheet

PS 502

PROPERTIES

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



MATERIALS

Steel• Wood• Paint

MACHINE FORM







FEATURES

Plain weave poly cotton cloth for extra flexibility and durability.



GRIT RANGE

40 60 80 100 120 150 180 220 240 320 400

CLOTH BASED

Emery Cloth Sheet | **PG 121**

PROPERTIES

Backing	Plain weave cotton
Bond Type	Glue
Coating	Close coat
Grain	Emery



MACHINE



MATERIALS

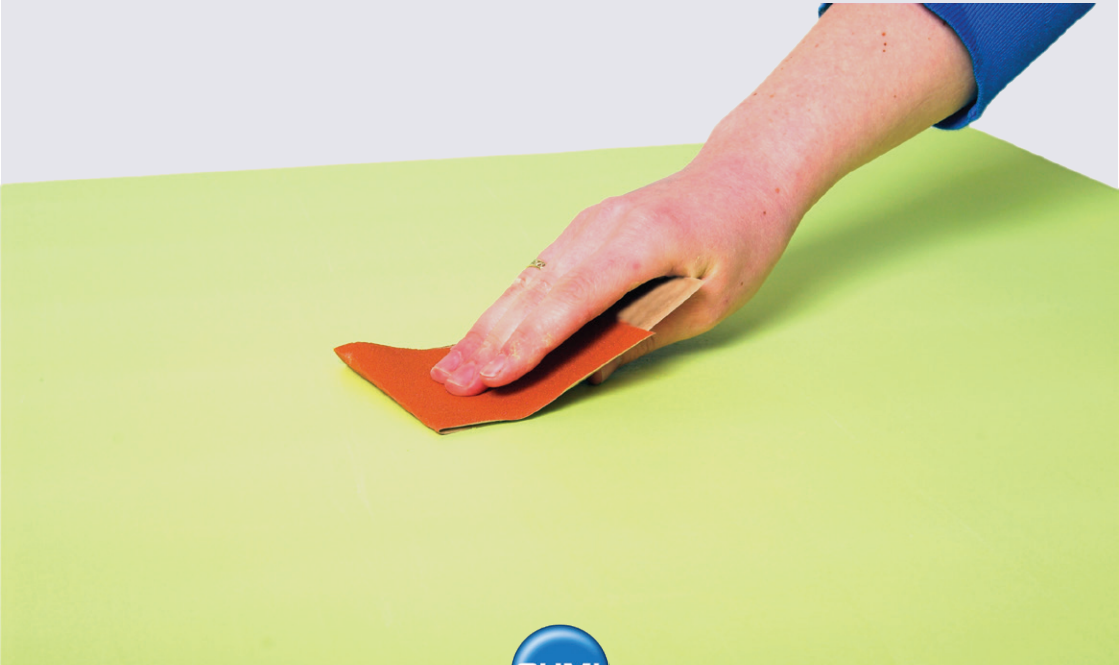
Steel• Non Ferrous Metal

FEATURES

Light weight backing with soft bond for good finish

GRIT RANGE

24 36 60 80 100 120 150 180 220



FILM BASED

AIO Film Sheet

PROPERTIES

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

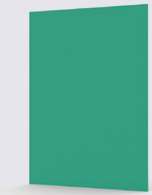
MATERIALS

Steel• Stainless Steel• Non Ferrous Metal• Paint• Filler

FEATURES

Film backing facilitates excellent finish

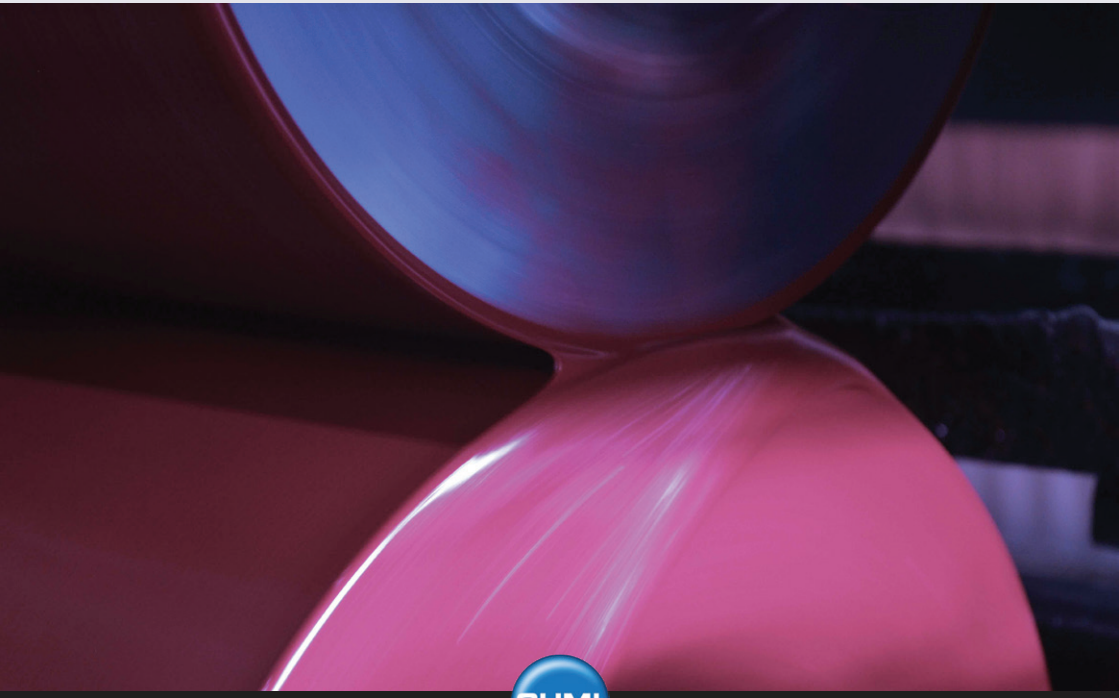
LF 567



MACHINE	FORM
	
	
	

GRIT RANGE

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




COATED ABRASIVES
ROLLS

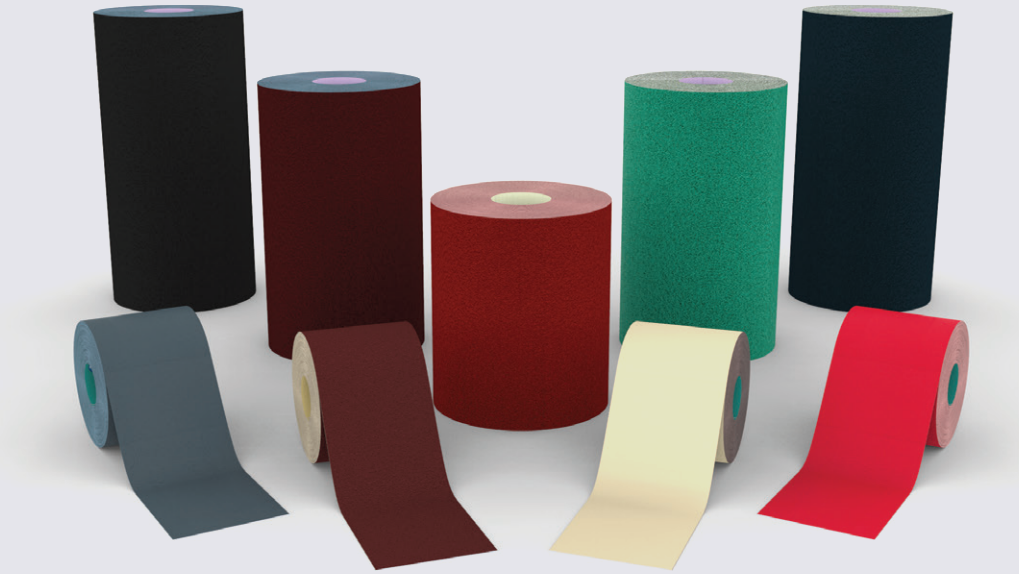
ROLLS

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	●	●	●		●			●
	JF 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)	XD 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	◑	●	●	●	●			
	XS 543	X- Weight AIO Cloth Roll	◑	●		●	●			
FILM BASED	AF 561	Film Based Roll	◑	●	●	●	●			

● CLOSE COAT ◑ SEMI-OPEN COAT ○ OPEN COAT

PAPER BASED

White Buffing Paper Roll

PROPERTIES

Backing	F - weight paper
Bond Type	Glue
Coating	Close coat
Grain	White Aluminium Oxide

MATERIALS

Leather

FEATURES

Friable grains for scratch free finish

FT 153



MACHINE







GRIT RANGE

120 150 180 220 240 320 400

Brown Buffing Paper Roll

PROPERTIES

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

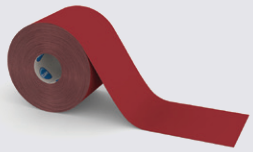
MATERIALS

Leather

FEATURES

Synthetic resin bond specially designed for hard & damp leather

EP 243



MACHINE







GRIT RANGE

100 120 150 180 220 240 320 400

PAPER BASED

SiC Paper Roll

PROPERTIES

Backing	E - weight paper
Bond Type	Resin
Coating	Close coat
Grain	Silicon Carbide

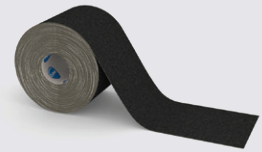
MATERIALS

Leather

FEATURES

Premium Silicon Carbide grain ensures excellent finish on leather

E 601 / 401



MACHINE



GRIT RANGE

80 100 120 150 180 220 240 320 400 500 600 800

Green Paper Roll

PROPERTIES

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

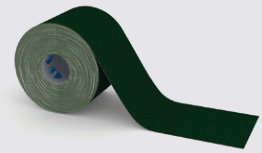
MATERIALS

Wood • Paint • Filler

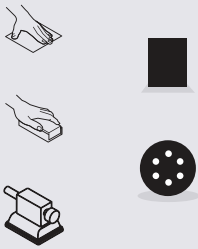
FEATURES

Stiff paper for faster cutting action with smooth finish

EP / DP 558



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

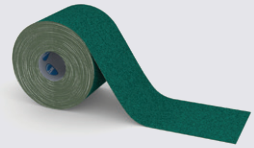
MATERIALS

Wood • Paint • Filler

FEATURES

Flexible paper for faster cutting action with smooth finish

CP 558



MACHINE FORM









GRIT RANGE

36 60

AlO Paper Roll

PROPERTIES

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

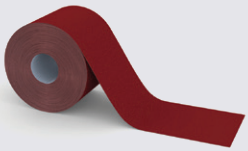
MATERIALS

Steel • Wood • Paint

FEATURES

Durable paper for general purpose sanding

FP / EP 544



MACHINE FORM









GRIT RANGE

24 36 40 50 60 80 100 120 150

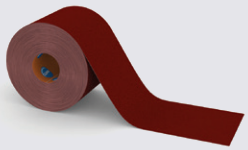
CLOTH BASED

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

MACHINE FORM








FEATURES

For applications demanding high cut rate

GRIT RANGE

60 80 100 120 150 180 220 320 400 600



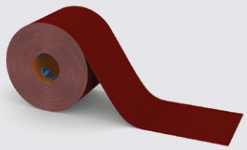
CLOTH BASED

X- Weight Premium AIO Industrial Cloth Roll

XF 567

PROPERTIES

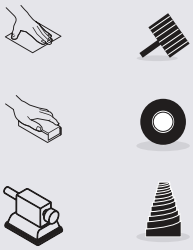
Backing	X - weight cotton
Bond Type	Resin
Coating	Close coat
Grain	Premium Aluminium Oxide



MATERIALS

Steel • Stainless Steel • Wood • Leather

MACHINE FORM



FEATURES

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

GRIT RANGE

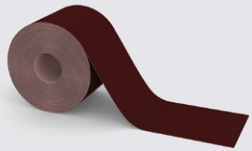
36 50 60 80 100 120 150 180 220 320 400 600

X- Weight AIO Industrial Cloth Roll

XG 542

PROPERTIES

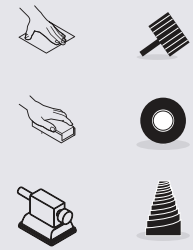
Backing	X - weight cotton
Bond Type	Resin
Coating	Close coat
Grain	Aluminium Oxide



MATERIALS

Steel • Stainless Steel • Wood • Leather

MACHINE FORM



FEATURES

Heat resistant bond provides good life & finish

GRIT RANGE

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

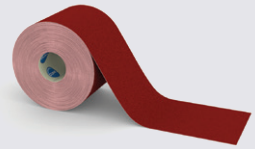
CLOTH BASED

J- Weight AIO Flexible Shop Roll

JF 565

PROPERTIES

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



MATERIALS

Steel • Stainless Steel • Non Ferrous Metal
Wood • Leather

MACHINE FORM







FEATURES

Flexible cloth assists in tearability



GRIT RANGE

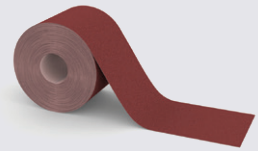
60 80 100 120 150 180 220 240 280 320 400

X- Weight AIO Cloth Roll

XS 542

PROPERTIES

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



MATERIALS

Steel • Wood • Paint

MACHINE FORM









FEATURES

Modified bond system for extra durability



GRIT RANGE

50 60 80 100 120

CLOTH BASED

J- Weight AlO Shop Roll

PROPERTIES

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

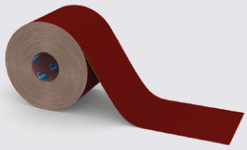
MATERIALS

Steel • Paint

FEATURES

Special bond adheres to profiles

JG 243



MACHINE FORM









GRIT RANGE

36 40 50 60 80 100 120 150 180 220 240 280 320 400 600

J- Weight AlO Cloth Roll

PROPERTIES

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

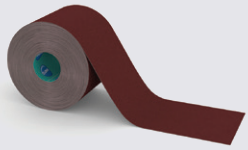
MATERIALS

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 AlO Cloth Roll

PROPERTIES

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

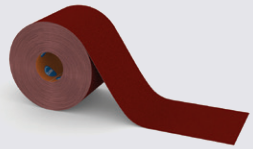
MATERIALS

Steel • Wood • Paint

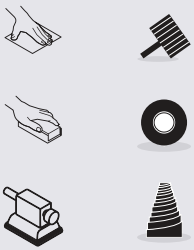
FEATURES

Plain weave poly cotton cloth for extra flexibility and durability

PS 502



MACHINE FORM



GRIT RANGE

40 60 80 100 120 150 180 220 240 320 400

Emery Cloth Roll

PROPERTIES

Backing	Plain weave cotton
Bond Type	Glue
Coating	Close coat
Grain	Emery

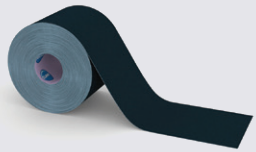
MATERIALS

Steel • Non Ferrous Metal

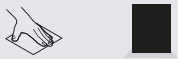
FEATURES

Light weight backing with soft bond for good finish

PG 121



MACHINE FORM



GRIT RANGE

24 36 50 60 80 100 120 150 180 220

CLOTH BASED (For Flap Disc)

X- Weight Ceramic Cloth Roll

PROPERTIES

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

MATERIALS

Steel • Stainless Steel

FEATURES

Faster cut-rate with reduced grinding temperature

XD 599



MACHINE SPECIAL




GRIT RANGE

40 60 80 120

Y- Weight Zirconia Cloth Roll

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. Suitable for heavy duty grinding

YS 588



MACHINE FORM SPECIAL







GRIT RANGE

40 60 80 120

CLOTH BASED (For Flap Disc)

X- Weight Zirconia Cloth Roll

XS 588

TOP COAT



PROPERTIES

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

MATERIALS

Steel • Stainless Steel • Non Ferrous Metal
Wood

MACHINE FORM SPECIAL











FEATURES

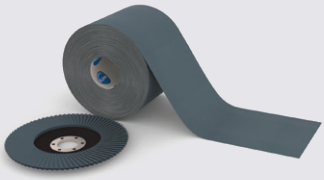
Special coating for cooler cutting action in stainless steel. Suitable for light to medium pressure grinding

GRIT RANGE

40 60 80 120

X- Weight Zirconia Cloth Roll

XD 589



PROPERTIES

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

MATERIALS

Steel • Stainless Steel • Non Ferrous Metal
Wood

MACHINE FORM









FEATURES

Suitable for all purpose general grinding

GRIT RANGE

40 60 80 120

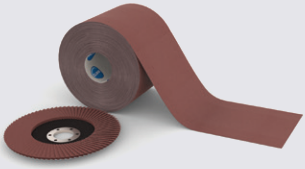
CLOTH BASED (For Flap Disc)

X- Weight AlO Cloth Roll

XS 543

PROPERTIES

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



MATERIALS

Steel • Stainless Steel • Non Ferrous Metal
Wood



FEATURES

Suitable for all purpose general grinding

GRIT RANGE

40 60 80 120

FILM BASED

Film Roll

AF 561

PROPERTIES

Backing	Synthetic Plastic Film (3 Mil - 5 Mil)
Bond Type	High Performance Synthetic Resin
Coating	Semi-open
Grain	Aluminium Oxide



MATERIALS

Steel • Stainless Steel • Non Ferrous Metal
Wood

FEATURES

Suitable for all purpose general grinding

GRIT RANGE

80 100 120 150 220 320 500 600 800 1000 1200 1500 2000


COATED ABRASIVES
BELTS

BELTS

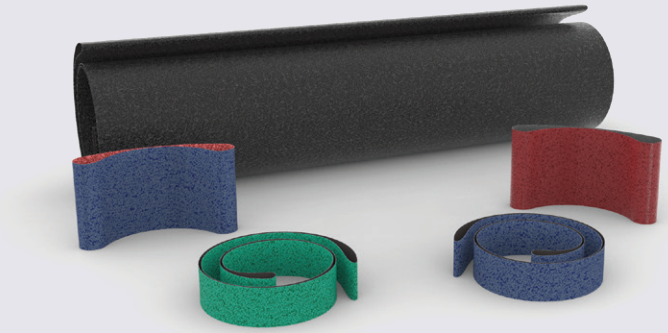
CUMI offers belts suitable for all sanding and grinding operations in wide range of sizes on cloth and paper backings. Special designs for customized applications i.e. metal working, wood working are available. Belts are made on backings with high tensile strength and optimum stretch resistance. CUMI 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



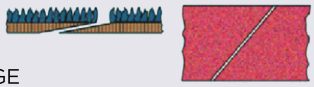
AVAILABLE VARIANTS

PAPER	CLOTH		
	WOOD	METAL	
FP 567	YS 595	YS 592	JF 565
	XS 581	YY585	YW 571
	YS 575	YY 583	
	YS 549	YS 562	

JOINTS

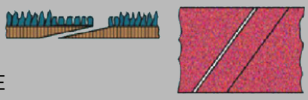
LAP JOINTS

GLUED OVERLAPPED



USAGE
Narrow & Wide belts

GLUED OVERLAPPED, GRAIN TIPS REMOVED



USAGE
Flexible belt for wood sanding

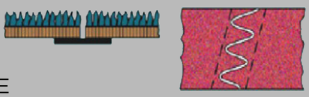
LAP JOINT - TOP LAP FULLY SKIVED

DIAGONAL CUT, GLUED OVERLAPPED, GRAIN AREA REMOVED COMPLETELY



USAGE
For all short belts

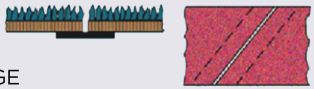
ZIGZAG JOINT GLUED BENEATH



USAGE
Cloth belts for the glass | wood industry

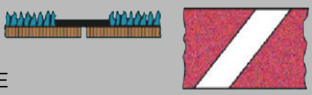
BUTT JOINT (FIBRE REINFORCED TAPE)

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

APPLICATION GUIDE

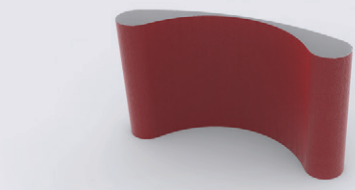
BACKING	CODE	PRODUCT DESCRIPTION	COATING	MATERIAL								
				Steel	Stainless Steel	Non Ferrous Metal	High Carbon Steel	Titanium	Hardwood Floor	Wood	MDF / Particle board	Glass
PAPER	FP 567	AlO Paper Belt	●						•	•	•	
CLOTH BASED FOR WOOD	YS 595	Ceramic Cloth Belt	◑						•	•	•	
	XS 581	Zirconia Cloth Belt	◑			•			•	•		
	YS 575	SiC Cloth Belt	◑						•	•	•	
	YS 549	AlO Cloth Belt	◑							•	•	
CLOTH BASED FOR METAL	YS 592	Ceramic Cloth Belt	●	•	•		•	•				
	YY 585	Zirconia Cloth Belt with Top Coat	●	•	•	•	•	•				
	YY 583	Zirconia Cloth Belt	●	•		•	•					
	YS 562	AlO Cloth Belt	●	•		•	•	•				
	JF 565	AlO Flexible Cloth Belt	◑			•						
	YW 571	SiC Cloth Belt	●	•	•							•

● CLOSE COAT ◑ SEMI-OPEN COAT

PAPER BASED

AIO Paper Belt

FP 567



PROPERTIES

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

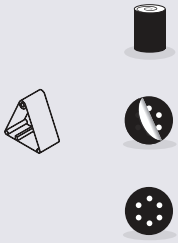
MATERIALS

Hardwood Floor• Wood• MDF• Particle Board

FEATURES

Modified bond system for extra durability

MACHINE **FORM**



GRIT RANGE

60 80 120 150 180 220



CLOTH BASED- FOR WOOD

Zirconia Cloth Belt

PROPERTIES

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

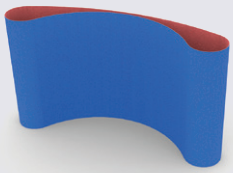
MATERIALS

Non Ferrous Metal• Hardwood Floor• Wood

FEATURES

Durable backing with self sharpening grains provides outstanding performance

XS 581



MACHINE FORM









GRIT RANGE

36 60 80 120

Ceramic Cloth Belt

PROPERTIES

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

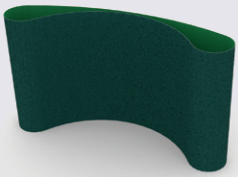
MATERIALS

Hardwood Floor• Wood• MDF• Particle Board

FEATURES

For high rate of cut without burn marks

YS 595



MACHINE SPECIAL





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

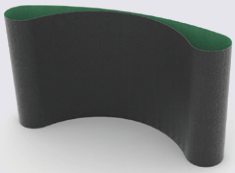
MATERIALS

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

AlO Cloth Belt

PROPERTIES

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

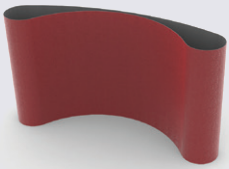
MATERIALS

Wood• MDF• Particle Board

FEATURES

Special Bond to minimize burn marks

YS 549



MACHINE







GRIT RANGE

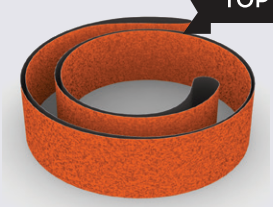
36 60 80 100 120 150 180

CLOTH BASED- FOR METAL

Ceramic Cloth Belt with Top Coat

YS 592

TOP COAT



PROPERTIES

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

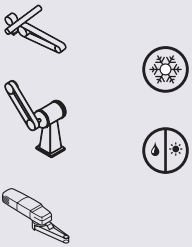
MATERIALS

Steel• Stainless Steel• High Carbon Steel• Titanium

FEATURES

Micro crystalline ceramic grains enhances cut rate & durability

MACHINE SPECIAL



GRIT RANGE

36 60 80 120

Zirconia Cloth Belt with Top Coat

YY 585

TOP COAT



PROPERTIES

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

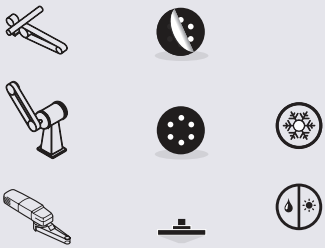
MATERIALS

Steel• Stainless Steel• Non Ferrous Metal• High Carbon Steel• Titanium

FEATURES

Tough bond with supersize coat ensures cooler cutting action

MACHINE FORM SPECIAL



GRIT RANGE

36 60 80 120

CLOTH BASED- FOR METAL

Zirconia Cloth Belt

PROPERTIES

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

MATERIALS

Steel• Non Ferrous Metal• High Carbon Steel

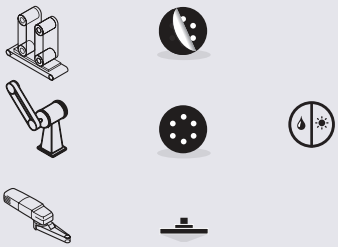
FEATURES

Tough bond with Zirconia Alumina grains for an aggressive cut

YY 583



MACHINE FORM SPECIAL



GRIT RANGE

36 60 80 120

AlO Cloth Belt

PROPERTIES

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

MATERIALS

Steel• Non Ferrous Metal• High Carbon Steel• Titanium

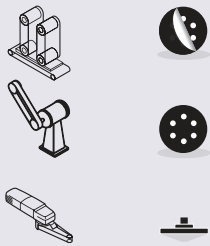
FEATURES

Premium grains and resin combination for high material removal rate

YS 562



MACHINE FORM



GRIT RANGE

36 60 80 120

CLOTH BASED- FOR METAL

AlO Flexible Cloth Belt

PROPERTIES

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

MATERIALS

Non Ferrous Metal

FEATURES

Flexible backing assists in contour sanding

JF 565



MACHINE



GRIT RANGE

60 80 100 120 150 180 220 280 320 400

SiC Cloth Belt

PROPERTIES

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

MATERIALS

Steel• Stainless Steel• Glass

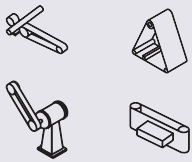
FEATURES

Close Graded grains for excellent cut & finish

YW 571



MACHINE SPECIAL





GRIT RANGE

60 80 100 120 150 180 220 320 400


COATED ABRASIVES
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.



ROUND HOLE



SLIT HOLE

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

a. IDC fiber discs
b. Jumbo fiber 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



AVAILABLE VARIANTS

IDC FIBER DISCS	JUMBO FIBER DISCS
VR 599	VR 571
VR 589	VR/FR 561
VR 569	VR/FR 543

APPLICATION GUIDE

BACKING	CODE	PRODUCT DESCRIPTION	COATING	MATERIAL							
				Steel	Stainless Steel	Non Ferrous Metal	Chrome Steel	Castings	Glass Fiber	Wood	Stone / Glass / Marble
IDC	VR 599	CUMI Krypton	●	•	•		•	•			
	VR 589	CUMI Zing	●	•	•		•	•	•		
	VR 569	Alpha	●	•	•	•			•	•	
JUMBO BASED	VR / FR 571	SiC Fiber Disc	◑			•				•	•
	VR / FR 561	Alpha Supreme	●	•	•	•			•	•	
	VR / FR 543	Cumi Flex AlO	●	•	•	•			•	•	

● CLOSE COAT ◑ SEMI-OPEN COAT

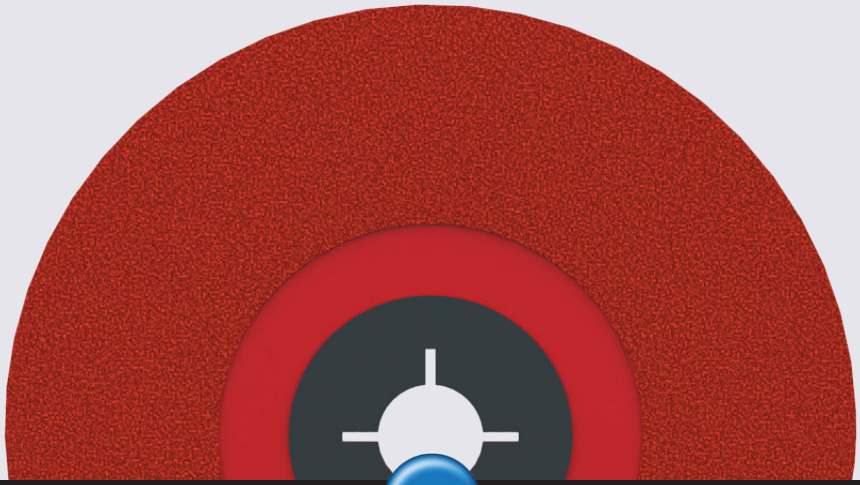
IDC FIBER DISCS

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



I Indivudual **D** Disc **C** Coat



IDC FIBER DISCS

CUMI Krypton

PROPERTIES

Backing	0.8 / 0.85mm vulcanised fiber
Bond Type	Resin
Coating	Close Coat
Grain	Ceramic Aluminium Oxide

MATERIALS

Steel •Stainless Steel • Non Ferrous Metal
Chrome Steel • Castings

FEATURES

Ceramic grains with super-size coat for best in class performance

VR 599



MACHINE



GRIT RANGE

24 36 50 60 80 100 120

CUMI Zing

PROPERTIES

Backing	0.8 / 0.85mm 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 edge grinding

VR 589



MACHINE



GRIT RANGE

24 36 50 60 80 100 120

IDC FIBER DISCS

Alpha | **VR 569**

PROPERTIES

Backing	0.8mm vulcanised fiber
Bond Type	Resin
Coating	Close Coat
Grain	Ceramic Aluminium Oxide



MACHINE



MATERIALS

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

FEATURES

Special bond for metal grinding application

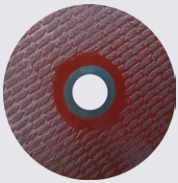
GRIT RANGE

24 36 50 60 80 100 120

PATTERN DISCS

PROPERTIES

Backing	Vulcanised fiber
Bond Type	Resin
Coating	Open Coat
Grain	Brown Aluminium Oxide



MACHINE



MATERIALS

Wood

FEATURES

The structured pattern of grains prevents loading and gives better life and cutting action

GRIT RANGE

24 36 50 60 80 100 120

JUMBO FIBER DISCS

SiC Fiber Disc

PROPERTIES

Backing	0.8 / 0.6 mm 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 / FR 571



MACHINE FORM





GRIT RANGE

24 36 50 60 80 100 120

Alpha Supreme

PROPERTIES

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

MATERILS

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

FEATURES

Long life with good finish

VR / FR 561



MACHINE FORM





GRIT RANGE

24 36 50 60 80 100 120

JUMBO FIBER DISCS

Cumi Flex AIO

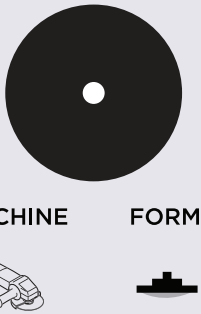
VR / FR 543

PROPERTIES

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

MATERILS

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




COATED ABRASIVES
FLAP DISCS

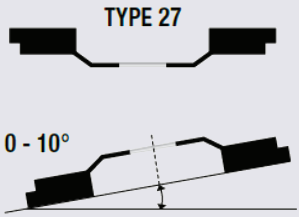
FLAP DISCS

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.

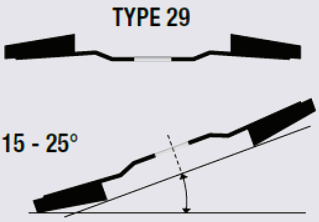


The significance of flap disc is that the abrasive grains perform the cutting action. Once the grains are fully consumed, the work piece comes in contact with the cloth material which wears away giving rise to new abrasive material to perform the operation once again. For this reason, flap discs are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

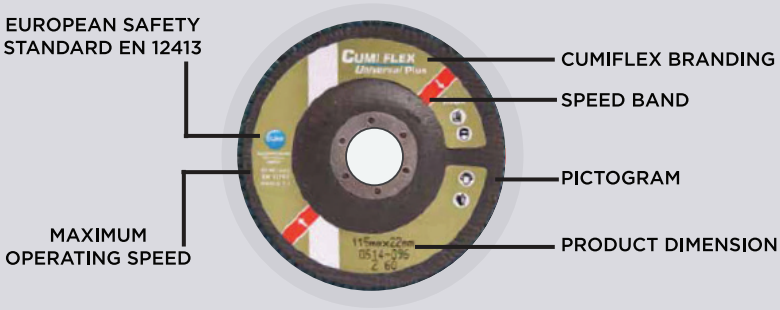
Best suited for grinding concave surfaces, difficult to reach areas.

BACKING PAD VARIANTS

FIBRE GLASS	PLASTIC	ALUMINIUM
		
Widely used variety in market	Light weight & trimmable pads	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



APPLICATION GUIDE

BACKING	GRAIN TYPE	CODE	PRODUCT DESCRIPTION	COATING	MATERIAL			
					Steel	Stainless Steel	Non Ferrous Metal	Wood
CLOTH	Ceramic Aluminium Oxide	XD 599	Cumiflex Gold	◑	•	•		
	Zirconia Alumina	XD 581	Cumiflex Gold	◑	•	•		
		YS 588	Cumiflex Universal Pro	◑	•	•		
		XS 588	Cumiflex Universal Plus	◑	•	•	•	•
		XD 589	Cumiflex Universal Inox	◑	•	•	•	•
	Interleaved (ZA/AlO)	XS 588/XS 543	Cumiflex Duo	◑	•	•		
	Aluminium Oxide	XS 561	Cumiflex Universal AlO	●	•	•		

● CLOSE COAT ◑ SEMI-OPEN COAT

CLOTH BASED

Cumiflex Gold

PROPERTIES

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

MATERIALS

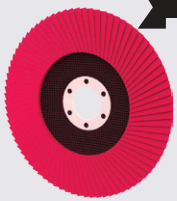
Steel • Stainless Steel

FEATURES

Faster cut-rate with reduced grinding temperature

XD 599

TOP COAT



MACHINE SPECIAL





GRIT RANGE

40 60 80 120



CLOTH BASED

Cumiflex Gold

PROPERTIES

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

MATERIALS

Steel • Stainless Steel

FEATURES

Faster cut-rate with reduced grinding temperature

XD 581



MACHINE SPECIAL





GRIT RANGE

40 60 80 120

Cumiflex Universal Pro

PROPERTIES

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

MATERIALS

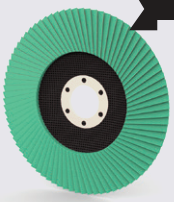
Steel • Stainless Steel

FEATURES

Special coating for cooler cutting action in stainless steel. Suitable for heavy duty grinding

YS 588

TOP COAT



MACHINE FORM SPECIAL











GRIT RANGE

40 60 80 120

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

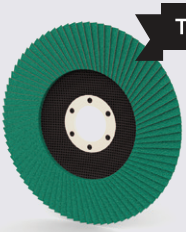
FEATURES

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

GRIT RANGE

40 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

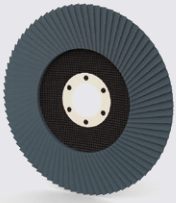
FEATURES

Suitable for all purpose general grinding

GRIT RANGE

40 60 80 120

XD 589



MACHINE FORM






CLOTH BASED

Cumiflex Duo

PROPERTIES

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

MATERIALS

Steel • Stainless Steel

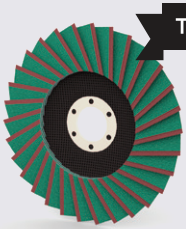
FEATURES

Combination of Zirconia Alumina and Aluminium Oxide abrasive flaps for economical and efficient grinding

GRIT RANGE

40 60 80 120

XS588/XS543



MACHINE SPECIAL





Cumiflex Universal AIO

PROPERTIES

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

MATERIALS

Steel • Stainless Steel

FEATURES

Suitable for heavy duty grinding

GRIT RANGE

36 60 80 120

XS 561



MACHINE FORM










COATED ABRASIVES
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



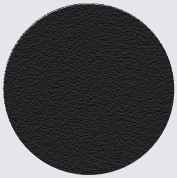
HOOK 'N LOOP



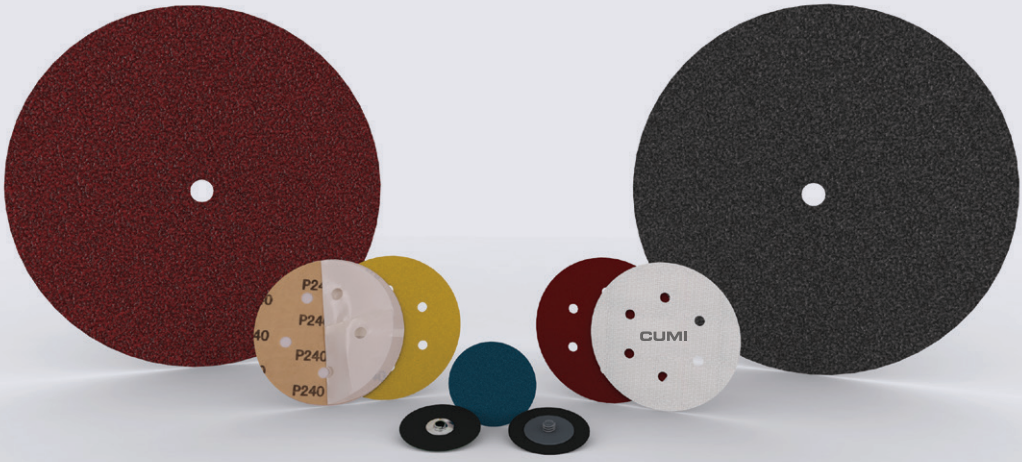
QUICK CHANGE DISC



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

APPLICATION GUIDE

BACKING	CODE	PRODUCT DESCRIPTION	COATING	MATERIAL					
				Steel	Stainless Steel	Filler / Glass Fiber	Wood	Cement	Paint / Varnish
PAPER	FP 592	Ceramic Paper Disc	◑	•	•	•	•	•	•
	FP 583	Zirconia Paper Disc	◑	•	•	•	•	•	•
	FP 574	SiC Paper Disc	◑	•	•	•	•	•	
	FP 567	AlO Paper Disc	◑	•	•	•	•	•	•
	CP 544	AlO Anti Static Paper Disc	◑	•	•	•	•	•	•
	CP 547	AlO Stearate Paper Disc	◑			•	•		
CLOTH	YS 592	Ceramic Cloth Disc	●	•	•				
	YY 585	Premium Zirconia Cloth Disc	●	•	•				
	XS 581	Zirconia Cloth Disc	●	•	•	•	•		•
	YS 582	Zirconia Cloth Disc	●	•	•				•
	XS 561	AlO Cloth Disc	●	•	•	•	•		•
FILM	LF 567	AlO Film Disc	●	•	•		•		•

● CLOSE COAT ◑ SEMI-OPEN COAT

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
Hardwood Floor

FEATURES

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

FP 592



MACHINE



FORMS





GRIT RANGE

24 36 40 50 60 80 100 120

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
Hardwood Floor

FEATURES

Premium Zirconia Alumina grains
for superior cutting action

FP 583



MACHINE



FORMS





GRIT RANGE

24 36 40 50 60 80 100 120

PAPER BASED

SiC Paper Disc

PROPERTIES

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

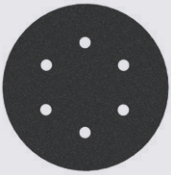
MATERIALS

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

FEATURES

Modified Bond system for fast cutting action

FP 574



MACHINE



FORMS





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

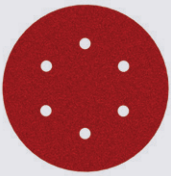
MATERIALS

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

FEATURES

Modified Bond system for extra durability

FP 567



MACHINE



FORMS





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

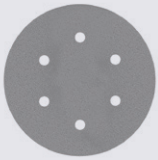
MATERIALS

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

FEATURES

Antistatic property enhances performance

CP 544



MACHINE FORMS





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

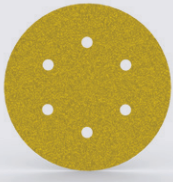
MATERIALS

Filler • Glass Fiber • Wood

FEATURES

Special stearate coating for anti-clogging effect

CP 547



MACHINE FORMS







GRIT RANGE

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

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

FEATURES

Micro crystalline ceramic grains enhances cut rate & durability

YS 592



MACHINE FORM SPECIAL



GRIT RANGE

24 36 50 60 80 100 120

Premium Zirconia Cloth Disc

PROPERTIES

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

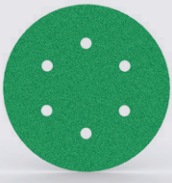
MATERIALS

Steel • Stainless Steel

FEATURES

Tough bond with supersize coat ensures cooler cutting action

YY 585



MACHINE FORM SPECIAL



GRIT RANGE

36 60 80 100 120

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 outsatnding performance

XS 581



MACHINE



FORM





GRIT RANGE

24 36 60 80 120

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

YS 582



MACHINE



GRIT RANGE

80 120

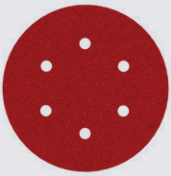
CLOTH BASED

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

MACHINE



FORM



FEATURES

Premium grains & resin for high material removal rate

GRIT RANGE

36 60 80 120



CLOTH BASED

AIO Film Disc

LF 567

PROPERTIES

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



MACHINE

MATERIALS

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

FEATURES

Film backing facilitates excellent finish

GRIT RANGE

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



QUICK CHANGE DISCS

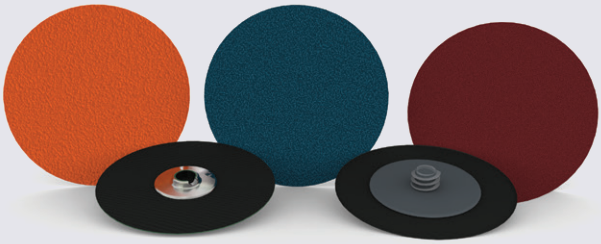
Cumi's range of quick change discs are the ideal choice for operations ranging from grinding to finishing. Due to its quick change system, these discs have gained more popularity increasing productivity and reducing change over time drastically. Quick change discs are available in two types of fastener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



TYPE R	TYPE S
Roll on/ roll off style threaded bush	Turn on/ Turn off style bush
Bush made of plastic	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	◑	•	•		
	VR 561	Alpha Supreme	◑	•	•		

● CLOSE COAT ◑ SEMI-OPEN COAT

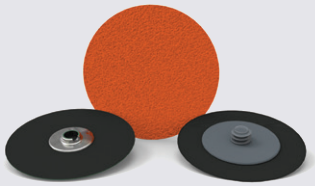
CLOTH BASED

Ceramic Cloth Disc

YS 592

PROPERTIES

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



MATERIALS

Steel • Stainless Steel • Titanium • Casting

MACHINE FORM



FEATURES

Tough bond with supersize coat ensures cooler cutting action

GRIT RANGE

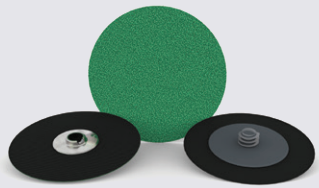
24 36 50 60 80 100 120

Premium Zirconia Cloth Disc

YY 585

PROPERTIES

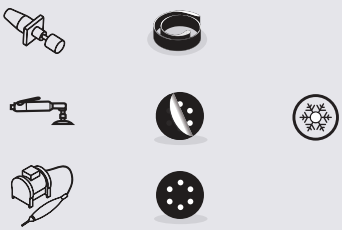
Backing	Y - weight heavy polyester
Bond Type	Resin
Coating	Close coat
Grain	Zirconia Alumina



MATERIALS

Steel • Stainless Steel • Titanium • Casting

MACHINE FORM SPECIAL



FEATURES

Tough bond with supersize coat ensures cooler cutting action

GRIT RANGE

36 60 80 100 120

CLOTH BASED

Zirconia Cloth Disc

PROPERTIES

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

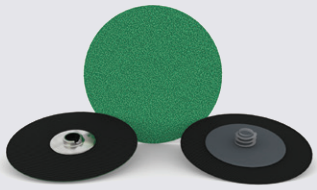
MATERIALS

Steel • Stainless Steel

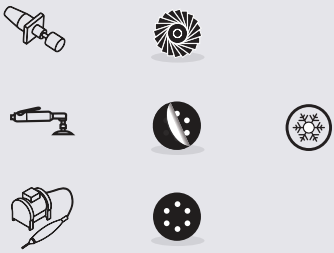
FEATURES

Special coating for cooler cutting action in stainless steel

YS 588



MACHINE FORM SPECIAL



GRIT RANGE

40 60 80 120

Alpha Supreme

PROPERTIES

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

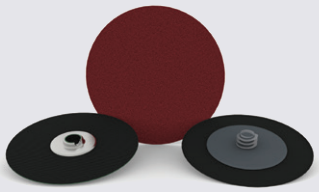
MATERIALS

Steel • Stainless Steel

FEATURES

Long life with good finish

VR 561



MACHINE

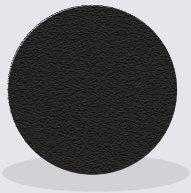


GRIT RANGE

24 36 50 60 80

DOUBLE SIDED DISCS

Double sided discs are a specialty in CUMI's range of coated abrasives. Designed for sanding on wooden floors, these discs provide exceptional performance and eliminate the need for a hardplate. Available in both paper and cloth backings. These are the preferred choice of customers over single sided discs.



Advantages of double sided discs:

- Abrasive grains on both sides of the disc
- Stiff design for extra rigidity
- Faster cutting action increasing productivity
- Reduction in changeover time
- Modified tough resin for extra durability on floor sanding operations

CLOTH BASED

SiC Cloth Disc

PROPERTIES

Backing	X - weight cotton
Bond Type	Resin
Coating	Semi-open coat
Grain	Silicon Carbide

MATERIALS

Wood

FEATURES

Suitable for faster cutting action

XM 574



MACHINE FORM





GRIT RANGE

24 36 40 50 60 80 100 120

FIBER 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 faster cutting action

FP 574



MACHINE FORM







GRIT RANGE

60 80 120 150

AlO Paper Disc

PROPERTIES

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

MATERIALS

Wood • Glass Fiber • Wall • Metal & Putty

FEATURES

Provides good life & cuttng action

FP 544



MACHINE FORM







GRIT RANGE

60 80 120 150

COATED ABRASIVES
FLAP WHEEL



FLAP WHEELS

Flap wheels are products with abrasive cloth flaps arranged around a central core. Flap wheels are ideal products for numerous applications ranging from stock removal to polishing. Known for their flexibility, they are preferred for sanding of contour edges and intricate shapes. Similar to flap disc, an important characteristic of flap wheel is its cloth which will wear away over usage giving rise to fresh abrasive grains.



ADVANTAGES OF CUMI FLAP WHEELS

- Premium grains for faster cutting action
- Special cloth treatment for excellent wear properties
- Active fillers for burn free operation
- Specific products for specific applications
- Customizable sizes based on requirement





AVAILABLE VARIANTS	
CLOTH	
XF 569	XD 589
XF 567	XD 589/XD 549
XG 542	

APPLICATION GUIDE

BACKING	CODE	PRODUCT DESCRIPTION	COATING	MATERIAL					
				Steel	Stainless Steel	S.S Pipes	Profiled steel sections	Tools	Cutlery
CLOTH	XF 569	Premium AIO Flexible Abrasive Cloth	●	•	•	•	•	•	•
	XF 567	AIO Abrasive Cloth	●	•	•	•	•	•	•
	XG 542	AIO Abrasive Cloth	●	•	•	•	•	•	•
	XD 589	Zirconia Abrasive Cloth	●	•	•	•	•	•	•
	XD 589/ XD 549	Interleaved (AIO / Zirconia) Abrasive Cloth	◑	•	•	•	•	•	•

● CLOSE COAT ◑ SEMI-OPEN COAT

CLOTH BASED

Premium AIO Flexible Abrasive Cloth

PROPERTIES

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

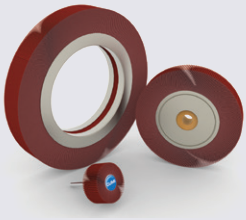
APPLICATIONS

Steel •Stainless Steel • S.S Pipes • Profiled Steel Sections • Tools • Cutlery

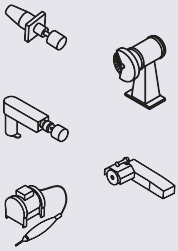
FEATURES

For applications demanding high cut rate

XF 569



MACHINE



FORM



GRIT RANGE

60 80 100 120 150 180 220 320 400 600

AIO Abrasive Cloth

PROPERTIES

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

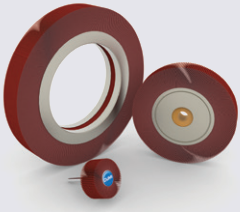
APPLICATIONS

Steel •Stainless Steel • S.S Pipes • Profiled Steel Sections • Tools • Cutlery

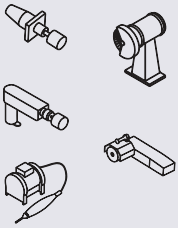
FEATURES

For applications demanding extra durability

XF 567



MACHINE



FORM



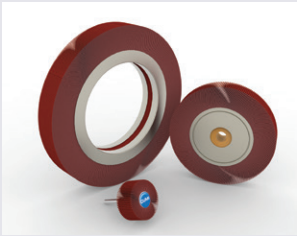
GRIT RANGE

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

CLOTH BASED

AIO Abrasive Cloth

XG 542



PROPERTIES

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

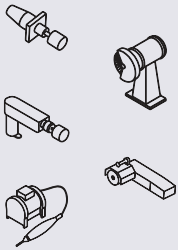
APPLICATIONS

Steel •Stainless Steel • S.S Pipes • Profiled Steel Sections • Tools • Cutlery

FEATURES

For all purpose general grinding

MACHINE



FORM



GRIT RANGE

36 50 60 80 100 120 150 180 220 320 400 600 800 1000 1200



CLOTH BASED

Zirconia Abrasive Cloth

PROPERTIES

Backing	X - weight cotton
Bond Type	Resin
Coating	Close coat
Grain	Zirconia Alumina

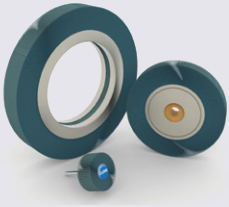
APPLICATIONS

Steel •Stainless Steel • S.S Pipes • Profiled Steel Sections • Tools • Cutlery

FEATURES

For applications demanding high cut rate

XD 589



MACHINE FORM









GRIT RANGE

40 60 80 120

Interleaved (AlO / Zirconia) Cloth

PROPERTIES

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

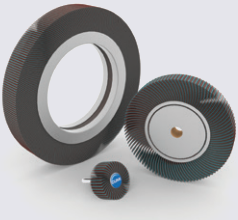
APPLICATIONS

Steel •Stainless Steel • S.S Pipes • Profiled Steel Sections • Tools • Cutlery

FEATURES

Combination flaps for high material removal at medium pressure

XD 589/ XD 549



MACHINE FORM













GRIT RANGE

40 60 80 120

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