

Reshaping  
your  
world™

# RAPID SOLUTIONS

## NORTON BEARTEX SURFACE CONDITIONING BELTS

CLEAN  
BOND  
TECHNOLOGY



UP TO 2 TIMES  
LONGER LIFE

UP TO 50% BETTER  
PERFORMANCE

SMEAR FREE  
FINISH



GET TO THE FINISH LINE FASTER  
**WITH NORTON RAPID PREP**

**NORTON**

SAINT-GOBAIN®



TM

# NON-WOVEN RAPID PREP SURFACE CONDITIONING BELTS

Norton Rapid Prep surface conditioning belts provide better performance and longer life versus conventional surface conditioning belts. These belts are ideal for removing surface defects, edge burrs, parting lines or flashing, rust, oxides, corrosion, paints and scale, cleaning molds, blending mill marks, tool marks, uneven edges and refining coated abrasive finish. Available in three backing designs:

- RF (for narrow belts) - regular flex, low stretch
- XF (for file belts) - extra flex, low stretch
- LF (for pump sleeves) - low flex, highest density, stiffest

And in each backing design we provide 2 technology grain tiers:

**BETTER**

**++++**

**2x** PERFORMANCE  
OVER COMPETITORS



- Decreased cycle time in finishing operations
- Consistency of part finish
- Smear-free finishes with Clean Bond Technology

\*Vortex in RF and XF to be released in 2015

**GOOD**

**+++**

**50%** PERFORMANCE  
OVER COMPETITORS



- Lowest initial price
- 50% better performance than competitive aluminium oxide surface conditioning belts
- Smear-free finishes with Clean Bond Technology

**CLEAN  
BOND  
TECHNOLOGY**

All our Rapid Prep belts are designed to carry the clean bond technology. The result is an innovative product that offers superior results and leaves perfectly finished, smear-free surfaces resulting in less rework and ultimately in cost savings.



**1 SAVES MONEY**  
Extended product life

**2 SAVES TIME**  
Faster Finish

## PRODUCT FEATURES

- Proprietary anti-smear technology - Clean Bond
- Premium aluminium oxide abrasive proprietary new coating system
- Longer-lasting material
- Available in 5 grades from Extra Coarse through to Very Fine

## APPLICATIONS

- Remove surface defects
- Generate the right finish in one operation
- Produce clean, smooth, de-burred surfaces
- Reduce grind lines in fewer steps than coated abrasives
- Replace traditionally-used products such as coated abrasives and wire brushes

## MARKETS

- Metal fabrication
- Stainless steel and Aluminium manufacture
- Architectural Metal Furniture (e.g. door and appliance handles)
- Aerospace
- MRO
- Energy
- Medical
- Glass
- Food & Hygiene
- Automotive
- Metal Surface Graining

## USER BENEFITS

- Increased life with unique combination of good cut, finish, and life
- Reduces smearing, even on high nickel content alloys
- Less rework
- Cuts and finishes faster, Delivers a consistent, repeatable finish
- Flexibility and conformability
- Produces a satinised finish quicker than with Coated Abrasives
- Improves efficiency with eliminated steps
- Non-rusting, waterproof, resilient, conformable and non-conductive / non-metallic

## MATERIALS

- cast iron
- steel
- exotic alloys
- aluminium
- fiberglass
- composites



## REDUCED SMEARING

- Smearing on a work piece means costly rework
- Smearing is a sticky, greasy, or dirty substance deposited onto the metal after the abrasive action
- Norton's patented resin system means smearing is drastically reduced



COMPETITOR A



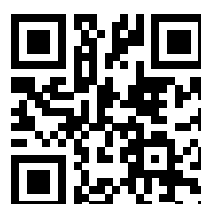
COMPETITOR B



RAPID PREP

**SIGNIFICANTLY  
REDUCED  
SMEARING**

**3 REDUCES REWORK**  
— Significantly reduces smearing and resists loading on soft metals



Use this QR code to view a product demonstration video or visit [www.nortonbeartex.com](http://www.nortonbeartex.com)

# THE RAPID RANGE

The Norton Rapid Range of non-wovens provides a complete solution for all metal applications



STRIPPING

## THE RAPID PREP BELTS RANGE:

For surface conditioning applications such as blending and deburring across industries ranging from aerospace, to metal fabrication and maintenance and repair operations (MRO).

### SAVES MONEY

UP TO 2X LONGER LIFE

### SAVES TIME

UP TO 50% BETTER PERFORMANCE

### REDUCES REWORK

SMEAR-FREE FINISH  
CLEAN BOND

## RAPID PREP - ALUMINIUM OXIDE - RF (RPAO-RF)

RF (regular flex, low stretch) non-woven belts are a good choice for low-stretch portable and narrow belt operations, including special wide sizes up to 1320mm (52 inches) wide. Ideal for robotic applications. Minimal loading on aluminium and other soft metals. Premium, durable nylon fiber bonded to a strong Y-wt. polyester backing with extremely low-stretch is ideal for applications where low-stretch and durability are necessary.



## RAPID PREP - ALUMINIUM OXIDE - XF (RPAO-XF)

XF (extra flexible, low stretch) belts are a good choice for surface conditioning jobs where a very flexible backing is required particularly in file belt applications when working over the edge of a contact wheel and slack-of-belt applications.

The combination of an extremely flexible high performance backing, and reliable belt joint, delivers a product that resists shedding and chunking and outlasts competitive belts up to 2X. No break-in required, allows you to start your job immediately, no wasted time. Simply the best surface conditioning belt for the toughest applications.

Premium low-stretch, flexible nylon fibre bonded to Y-wt. polyester cloth backing is engineered for applications requiring a low-stretch highly flexible product for deburring, blending, and finishing complex shapes and hard-to-reach surfaces.





**Rapid**  
**PREP**

SURFACE CONDITIONING



**Rapid**  
**BLEND**

DE-BURRING & BLENDING



**Rapid**  
**FINISH**

BUFFING & FINISHING

## BELTS FEATURES AND BENEFITS:

- Premium aluminium oxide abrasive grain coating provides up to 20% higher cut rate and 50% better performance than competitive low-stretch, aluminium oxide surface conditioning materials
- Proprietary Clean Bond resin technology guarantees a smear-free finish and minimizes loading on aluminium and other soft metals
- Use Norton Bear-Tex belts for surface conditioning cast iron, steel, exotic alloys, aluminium, fiberglass, and composites
- Color-coded for easy identification: **tan** = coarse, **maroon** = medium, **green** = fine, and **blue** = very fine
- Wide selection of standard stock sizes and grades available
- Custom-made sizes available to meet your exact requirements

## RAPID PREP - VORTEX - LF (VTX-LF)

LF (low flex, highest density, stiffest) non-woven belts featuring patented Vortex agglomerated aluminium oxide grain are the better choice for expanding drum, and pump sleeve belt applications. The LF denser, premium high-loft nylon fibre bonded to a strong nylon scrim backing allows a thick layer of resin bond and grain for extended life - up to 3X the life of competitive aluminium oxide products - and provides the added durability and stiffness these operations require. Patented Vortex agglomerated aluminium oxide grain produces the most consistent cutting and finishing surface conditioning products on the market, combining the cutting power of a coarser grit with the finish of finer grits and minimizing edge wear.

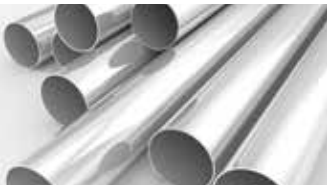


## RAPID PREP - ALUMINIUM OXIDE - LF (RPAO-LF)

LF (low flex, highest density, stiffest) non-woven surface conditioning belts. Smear-free finishes on high nickel content alloys, and reduces loading on aluminium and other soft metals. Economic choice for drum and pump sleeve belt applications.



## FIELD TEST RESULTS



### POLISHING MEDICAL TUBES

Material: Stainless steel, medical grade

Grit Size: VFINE

Belt Size: 30 x 630mm

RESULTS VS. COMPETITOR  
**OUTPERFORMED COMPETITOR**



### BLENDING/POLISHING HIGH-END APPLIANCE HANDLES

Material: Stainless steel

Grit Size: MED

Belt Size: 75 x 3300mm

RESULTS VS. COMPETITOR  
**1.5X MORE LIFE**



### BLENDING/POLISHING INDUSTRIAL/COMMERCIAL SINKS

Material: Stainless steel

Grit Size: MED

Belt Size: 30 x 3300mm

RESULTS VS. COMPETITOR  
**2X LIFE AND BETTER FINISH**



### FINISHING AEROSPACE LATCHES AND HINGES

Material: Cast aluminium and stainless steel

Grit Size: MED, F, VF

Belt Size: 30 x 1500mm

RESULTS VS. COMPETITOR  
**1.5X MORE LIFE**



### FINISHING AUTOMOTIVE ARMATURES

Material: Carbon Steel

Grit Size: VF

Belt Size: 25 x 450mm

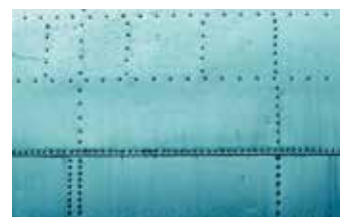
RESULTS VS. COMPETITOR  
**BETTER THAN COMPETITION**

## SUCCESS STORY

- Application:** Finishing cast aluminium and carbon steel aerospace latches, hinges, and hardware
- Machine:** Pedestal grinder 1HP, 1725 RPM, 180mm contact wheel
- Current competitive product:** 50x 1500mm belt LS A/O medium and very fine grit surface conditioning belts. Medium grit on steel, very fine on aluminium.
- Norton Product:** Rapid Prep RF A/O medium and fine grit belts. Medium grit on steel, fine on aluminium

### RESULTS

- Fewer belt changes
- Increased cut (MRR)
- Improved surface finish
- Decreased cycle time



Norton lasted 2X competition



## COLOUR CODED GRADING SYSTEM

- New industry-standard grit colour coding makes use and conversion easy.



## ORDERING INFORMATION



### RPAO-RF NARROW BELTS

WIDTH	LENGTH	GRADE	EX COARSE	COARSE	MEDIUM	FINE	VERY FINE	PACK QTY
		CAP CODE	S2128	S2228	S2328	S2428	S2528	
50	2000		TBC	<b>63642531724</b>	<b>63642531726</b>	<b>63642531732</b>	<b>63642531733</b>	5
75	2000		TBC	<b>63642531735</b>	<b>63642531741</b>	<b>63642531743</b>	<b>63642531751</b>	5
100	3500		TBC	<b>63642531760</b>	<b>63642531761</b>	<b>63642531764</b>	<b>63642531784</b>	5
150	2000		TBC	<b>63642531787</b>	<b>63642531813</b>	<b>63642531816</b>	<b>63642531819</b>	5



### RPAO-XF FILE BELTS

WIDTH	LENGTH	GRADE	EX COARSE	COARSE	MEDIUM	FINE	VERY FINE	PACK QTY
		CAP CODE	S2138	S2238	S2338	S2438	S2538	
6	457		TBC	<b>63642535959</b>	<b>63642535963</b>	63642536140	<b>6623333511*</b>	20
13	457		TBC	<b>63642535980</b>	<b>63642536113</b>	63642536141	<b>66261055311*</b>	20
19	457		TBC	<b>63642536114</b>	<b>63642536116</b>	63642536142	<b>66261003622*</b>	20
6	610		TBC	<b>63642536118</b>	<b>63642536121</b>	63642536144	<b>6623333512*</b>	20
13	610		TBC	<b>63642536122</b>	<b>63642536129</b>	63642536145	<b>66261019876*</b>	20
13	305		TBC	<b>63642536134</b>	<b>63642536137</b>	63642536164	<b>66254499884*</b>	20

\* Pack Quantity 24 Pieces



### VRP-LF PUMP SLEEVES

WIDTH	LENGTH	GRADE	EX COARSE	COARSE	MEDIUM	FINE	VERY FINE	PACK QTY
		CAP CODE	S2103	S2203	S2303	S2403	S2503	
90	395		TBC	<b>77696079579</b>	<b>77696079580</b>	<b>77696081027</b>	77696081029	10
100	289		TBC	<b>77696075183</b>	<b>6623395127</b>	<b>77696081026</b>	77696081028	10

KEY: **Stock items = bold** MTO = upon request

# NON WOVEN FAMILIES

**NORTON**

SAINT-GOBAIN



## APPLICATIONS

- Manual and machine blending & finishing

## PRODUCT RANGE

- Flat stock: hand pads, rolls, flap wheels, floor pads



## APPLICATIONS

- Coarse grits, open structure for rust removal, paint & defects

## PRODUCT RANGE

- Wheels, discs, slabs



## APPLICATIONS

- Blending and de-burring surfaces

## PRODUCT RANGE

- Unitised discs and wheels



## APPLICATIONS

- Blending, de-burring and finishing surfaces

## PRODUCT RANGE

- Discs, belts (SCM)



## APPLICATIONS

- De-burring, providing a final finish

## PRODUCT RANGE

- Convolute wheels



[www.nortonbeartext.com](http://www.nortonbeartext.com)

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