

INNOVATION

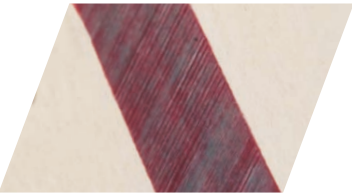
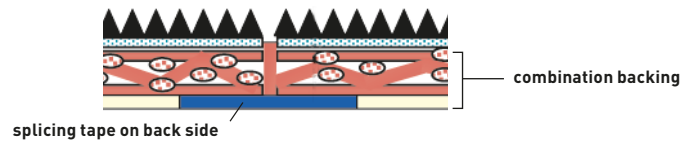
The materials used for the composition of the **R/S/H 496 range** are state of the art technology to provide anti-static properties stop ping the belts clogging through conductivity, giving 20-40% performance improvement. To endure all heavy loads and dynamic impacts during applications, a sophisticated range of very heavy backing materials from polyester, paper-cloth combination and paper are used. Special treatments with new resin and other additives provide attributes such as dimensional rigidity and a smooth run, even when the belt is extra wide. New grain distribution and orientation provide high stock removal rate and longer belt life.

In today’s competitive market we aim to help leverage the efficiency of our customers production process and maximize technology.

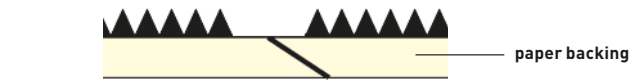
The focus on **belt joints** is important during the sanding process as belts are exposed to high loads. Not only the composition of the abrasive but particularly the superiority of the belt joint influences the life time of the product and the surface condition of the panel once sanded.

**The sanding platen** is covered with a contact element, topped with graphite-coated cloth to avoid excessive heat and belt damage. Used for intermediate sanding and finishing, the smooth belt action distributes a consistent sanding pressure to help eliminate chatter marks from the process under severe work conditions.

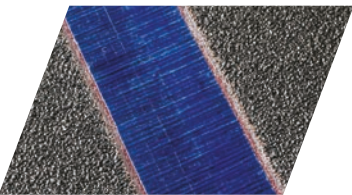
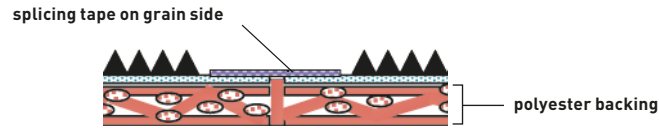
TAPE JOINT FOR BELTS WITH COMBINATION BACKING



OVERLAP JOINT FOR BELTS WITH PAPER BACKING



TAPE JOINT FOR BELTS WITH POLYESTER BACKING



PRODUCT AVAILABILITY

R 496

GRIT SIZES:	P36*	P40	P50	P60	P80	P100	P120	P150	P180
	x	x	x	x	x	x	x	x	x
Coating:	Semi open coat								
Grain type:	Silicon carbide								
Backing:	Y-polyester, segmentable, special antistatic treatment								
Special features:	Extremely high tensile strength, excellent finish, waterproof, special antistatic treatment								
Application:	Calibration to finishing of particle-, OSB, MDF and hardboards, gypsum and mineralic fibre boards								

S 496

GRIT SIZES:	P36*	P40	P50	P60	P80	P100	P120	P150	P180
	x	x	x	x	x	x	x	x	x
Coating:	Semi open coat								
Grain type:	Silicon carbide								
Backing:	Combination of X-wt. cloth and E-wt. paper, segmentable extra rigid								
Special features:	Extremely high tensile strength, high cutting action special antistatic treatment								
Application:	Calibrating to finishing, of particle-, OSB, MDF and hardboards, gypsum and mineralic fibre boards								

\*Available upon request

QUICK CHANGE PAD –[QCP] SYSTEM

Standard width:	55mm
Max length:	3500mm
Density:	Hard - medium - soft, with or without eyelet (see documentation)

For further information please contact your local sales representative.



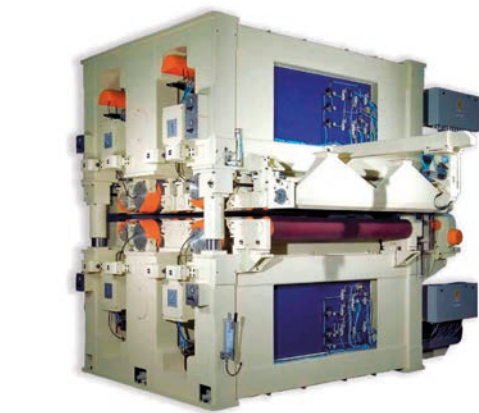
Saint-Gobain Abrasifs  
European Headquarters  
Rue de l'Ambassadeur - B.P.8  
78 702 Conflans Cedex  
France  
Tel: +33 (0)1 34 90 40 00  
Fax: +33 (0)1 39 19 89 56  
www.nortonabrasives.com

S 88 XL (1400 MM MAX. BELT WIDTH)

GRIT SIZES:	P24	P36	P40	P50	P60	P80	P100	P120
	x	x	x	x	x	x	x	x
Coating:	Closed coat							
Grain type:	Silicon carbide							
Backing:	X-polyester with special antidust coating							
Special features:	Extremely high tensile strength, excellent finish, waterproof, antistatic properties							
Application:	Calibrating to finishing, of particle-, OSB, MDF and hardboards, gypsum and mineralic fibre board							

H 496

GRIT SIZES:	P80	P100	P120	P150	P180
	x	x	x	x	x
Coating:	Closed coat				
Grain type:	Silicon carbide				
Backing:	Heavy F-wt. paper segmentable				
Special features:	For medium tensile impacts, excellent finishing, special antistatic treatment				
Application:	Finishing of particle, MDF and hardboards				



Our responsibility to customers is taken very seriously. During raw material commissioning, order processing, production and packaging a continuous quality assurance operates under the rules of our certified ISO 9000 and 14000 systems.


Storage for optimum stock conditions is approximately 18-25°C and 50-60% relative humidity stored in shelves or wooden crates. R/S/H 496 shouldn’t stand directly on concrete floors, be sited close to heating or exposed to sunlight. Paper belts and combination belts should be hung and weighed down on no less than 200mm diameter tubes two days before using, eliminating creases created during packing & storage. Polyester belts can remain packed until they are used.

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Form # 3186





SAINT-GOBAIN



# ANTI-STATIC TECHNOLOGY FOR LONGER LASTING BELTS







**RSH496** is a new generation of belts specifically developed to maximise life and smooth surface finishing on very wide panels and boards. This comprehensive range of products has been designed to provide unrivalled life and surface finish. **R/S/H496** brings consistency throughout the entire process from dimensioning to finishing and features great dimensional stability, it has proved to be excellent for coarse sanding at high feed rates for high stock removal and high quality surface finishing.

MATERIALS

- Particle board (chipboard)
- MDF (Medium density fibreboard)
- HDF (High density fibreboard)
- OSB
- Laminated wood
- Solid and block wood
- Plywood
- Gypsum
- Mineral fibre

FEATURES

- State of the art technology
- Withstands heavy loads, coarse sanding and dynamic impacts during operation
- Polyester, paper-cloth combination or paper backing
- Resin and other additives give dimensional rigidity, smooth running
- Available in wide and segmented belts

BENEFITS

- High stock removal rates
- High feed rates
- Excellent dimensional stability
- Increased productivity
- Greater cost efficiency
- Anti-static properties to reduce clogging and increase life

APPLICATION GUIDE

The following guide offers a technical insight into the availability of wide and segmented belts in relation to the sanding operation.

The performance data and expected removal rates are based on process results which were obtained from sanding:

- Particle and MDF boards with normal density (700-900 kg/m³)
- HDF boards with high density (1000 kg/m³ or more)

Other densities and/or materials will present lower or higher performance data. Belt type and grit sequence are mostly determined by on-site testing.

SANDING OF PARTICLE BOARD



1: CALIBRATION

Aggregate: Contact drum  
Contact drum: Mostly steel, few rubber coated ≥ 85° Shore A

WIDTH	TYPE	GRIT	STOCK REMOVAL/ AGGREGATE	PERFORMANCE
≤ 1400 mm >	S 88 XL	P24	up to 1.5 mm	up to 180 Amp
		P36	up to 1.0 mm	up to 130 Amp
> 1400 mm >	S 496 - R 496	P40	up to 0.7 mm	up to 120 Amp
		P50	up to 0.5 mm	up to 120 Amp



2: INTERMEDIATE SANDING

Aggregate: Contact drum + sanding platen  
Contact drum: Mostly steel, few rubber coated ≥ 85° Shore A  
Sanding platen: 40 mm width  
Felt: 0.44 - 0.62 g/cm³  
Graphite: HD

WIDTH	TYPE	GRIT	STOCK REMOVAL/ AGGREGATE	PERFORMANCE
≤ 1400 mm >	S 88 XL	P40	up to 0.5 mm	up to 100 Amp
		P50	up to 0.4 mm	up to 100 Amp
> 1400 mm >	S 496 - R 496	P60	up to 0.3 mm	up to 80 Amp
		P80	up to 0.2 mm	up to 80 Amp



3: FINISHING

Aggregate: Contact drum + sanding platen or sanding platen only  
Contact drum: Mostly steel, few rubber coated ≥ 85° Shore A  
Sanding platen: 40-70 mm width  
Felt: 0.44 - 0.62 g/cm³  
Sponge rubber: ≥ 25° Shore A (not recommended in case of trimmed board edges)  
Graphite: HD

WIDTH	TYPE	GRIT	STOCK REMOVAL/ AGGREGATE	PERFORMANCE
≤ 1400 mm >	S 88 XL	P80	up to 0.10 mm	up to 80 Amp
> 1400 mm >	S 496 - R 496	P100	up to 0.070 mm	up to 30 Amp
		P100	up to 0.070 mm	up to 20 Amp

SANDING OF MDF/HDF BOARD



1: CALIBRATION

Aggregate: Contact drum  
Contact drum: Mostly steel, few rubber coated ≥ 85° Shore A

WIDTH	TYPE	GRIT	STOCK REMOVAL/ AGGREGATE	PERFORMANCE
≤ 1400 mm >	S 88 XL	P40	up to 0.50 mm	up to 120 Amp
		P50	up to 0.25 mm	up to 100 Amp
> 1400 mm >	S 496 - R 496	P60	up to 0.15 mm	up to 80 Amp



2: INTERMEDIATE SANDING

Aggregate: Contact drum + sanding platen  
Contact drum: Mostly steel, few rubber coated ≥ 85° Shore A  
Sanding platen: 40 mm width  
Felt: 0.44 - 0.62 g/cm³  
Sponge rubber: ≥ 25° Shore A (not recommended in case of trimmed board edges)  
Graphite: HD

WIDTH	TYPE	GRIT	STOCK REMOVAL/ AGGREGATE	PERFORMANCE
≤ 1400 mm >	S 88 XL	P60	up to 0.5 mm	up to 100 Amp
		P80	up to 0.4 mm	up to 100 Amp
> 1400 mm >	S 496 - R 496	P80	up to 0.3 mm	up to 80 Amp
		P100	up to 0.1 mm	up to 20 Amp
any	H 496	P120	surface improvement	up to 15 Amp

SANDING OF MDF/HDF BOARD

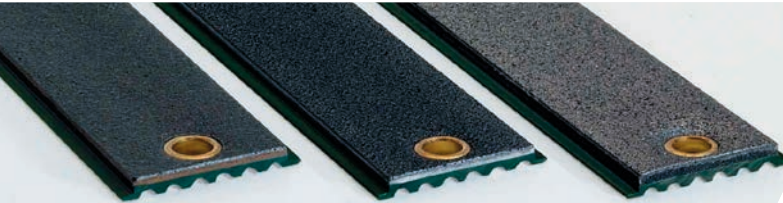


3: FINISHING

Aggregate: Sanding platen  
Sanding platen: 40-70 mm width  
Felt: 0.44 - 0.62 g/cm³  
Sponge rubber: ≥ 25° Shore A (not recommended in case of trimmed board edges)  
Graphite: HD

WIDTH	TYPE	GRIT	STOCK REMOVAL/ AGGREGATE	PERFORMANCE
≤ 1400 mm >	S 88 XL	P80	up to 0.10 mm	up to 80 Amp
		P100	up to 0.07 mm	up to 50 Amp
> 1400 mm >	S 496 - R 496	P120	surface improvement	up to 50 Amp
		P150	surface improvement	up to 20 Amp
any	H 496	P80	surface improvement	up to 20 Amp
		P100	surface improvement	up to 20 Amp
		P120	surface improvement	up to 15 Amp
		P150	surface improvement	up to 15 Amp
		P180	surface improvement	up to 15 Amp

QUICK CHANGE PAD –(QCP) SYSTEM



LATEX

- Material: hardened rubber
- Hardness: hard



- Density: 55
- Colour: brown

PES

- Material: polyester
- Hardness: medium



- Density: 40
- Colour: white

FOAM

- Material: polyurethane-foam
- Hardness: soft



- Density: 15
- Colour: black

Specially developed for the industrial sanding of wood-based panels the Sliding Liner System offers significant advantages in comparison with conventional systems:

- Exchange of graphite and padding in a few seconds
- The best possible dimensional sanding resulting from tight tolerances
- No displacement of the padding possible
- Metal eyelet ensures discharge of electrostatic charge
- Easy handling without any tool. The sliding liners are made of a heatproof plastic laminated graded with specially paddings. Standard width is 55mm, length up to 3500mm.