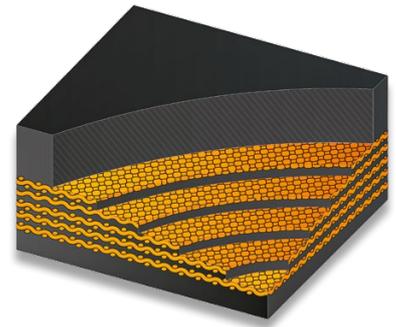


# Superfort®

Wear resistance / Tear strength / Tensile strength



Superfort cross-section

Multi-ply Textile

## From light duty up to the very heaviest, toughest materials.

- Exclusively manufactured in The Netherlands.
- Outstanding wear & tear resistance.
- Unrivalled longevity.
- Full range of top-quality cover compounds - abrasion, heat (+400 °C), fire, oil and cold resistant (-60 °C).
- Fully ozone & UV resistant.
- Available in widths up to 2200 mm wide.
- Environmentally safe – compliant with EU REACH and Regulation (EU) No 2019/1021 on persistent organic pollutants.
- Tensile strengths available from 250 N/mm up to 3150 N/mm.
- Excellent adhesion of covers and carcass plies
- Two-year warranty against faulty workmanship and/or materials.

## COVER GRADES RESISTANCES ▼

	Fenner Dunlop Cover Quality	DIN quality	EN/ISO quality	Permissible temp. °C <sup>1</sup> min.			Base polymer	Technical Features
				Min. Ambient	Cont. Material	Peak Material		
	<b>Abrasion resistant</b>							
	AA			-30	80	100	SBR	Abrasion resistant for normal service conditions.
	RA	Y		-30	80	100	SBR	Abrasion resistant for more severe service conditions.
	RE	X	H	-40	80	90	NR	Excellent resistance to cuts, impact, abrasion and gouging resulting from large and heavy lump sizes
	RS	W	D	-30	80	90	NR/SBR	Impact and extra wear resistance for conveying highly abrasive materials of mixed lump sizes.
	<b>Heat resistant</b>							
	Betahete	T	T1	-20	160	180	SBR	Heat and wear resistant for high temperature materials.
	Deltahete	T	T3	-20	200	400	EPM	Superior heat resistant for heavy duty service conditions, up to 400 °C for short time intervals
	<b>Oil resistant</b>							
	ROM	G		-20	80	90	SBR/NBR	Oil and fat resistant for most products with animal and vegetable oils and fats. <sup>2</sup>
	ROS	G		-20	80	120	NBR	Oil and fat resistant for products containing mineral oils.
	<b>Fire resistant</b>							
	BV	K/S <sup>3</sup>	2A/2B	-20	80	90	SBR	Fire resistant for the transport of inflammable and explosive materials according to EN12882 and ISO 340.
	VT	VT	4A/5A <sup>4</sup>	-15	80	90	CR/SBR	Fire resistant for the transport of inflammable and explosive materials with increased safety for general applications according to EN12882 and ISO 340.
	V	V	A/B2/C2 <sup>4</sup>	-15	80	90	CR	Fire resistant for the transport of inflammable and explosive materials with increased safety for underground applications according to EN14973 and ISO 340.
	<b>Fire resistant and oil resistant</b>							
	BVROM	K/S <sup>3</sup>	2A/2B	-20	80	90	SBR/NBR	Combines features of ROM and fire resistance according to EN 12882 and EN ISO 340.
	BVROS	K/S <sup>3</sup>	2A/2B	-20	80	90	NBR	Combines features of ROS and fire resistance according to EN 12882 and EN ISO 340.
	<b>Fire resistant, heat and oil resistant</b>							
	BVGT	T / G K/S <sup>3</sup>	T1 / 2A/2B	-20	150	170	CSM	Combines features of Betahete, ROS and fire resistance according to EN 12882 and EN ISO 340.

<sup>1</sup>The minimum (min) temperatures specified in this document refer to the ambient temperature of the surrounding area. The continuous (cont) and peak temperatures relate to the material that is to be transported on a conveyor belt. For elevator belts other values apply.

<sup>2</sup>In some cases (with products containing high concentrations of animal and vegetable oils) ROS should be selected.

<sup>3</sup>K = fire retardant with covers, S = fire retardant with and without covers.

<sup>4</sup>Limited to specific belt constructions.

Learn more  
about rubber  
compounds



**SUPERFORT PRODUCT RANGE** ▾

Belt type	Carcass thickness (mm)	Carcass weight (kg/m <sup>2</sup> )	Pulley diameters <sup>1</sup>			Min. width <sup>2</sup> (mm)	Max. belt width (mm) for satisfactory load support with material density of t/m <sup>3</sup> : <sup>2</sup>			
			A (mm)	B (mm)	C (mm)		< 0.75	0.75 - 1.5	1.5 - 2.5	2.5 - 3.2
S 250/2	2.2	2.7	200	160	125	300	650	500	400	—
S 315/2	2.3	2.8	250	200	160	400	650	500	400	—
S 400/2	2.6	3.0	315	250	200	400	1000	800	650	—
S 400/3	2.9	3.6	315	250	200	400	1200	1000	800	—
S 500/3	3.1	3.8	400	315	250	500	1200	1000	800	—
S 500/4	4.0	5.0	500	400	315	500	1400	1200	1000	800
S 630/3	3.6	4.3	400	315	250	500	1400	1200	1000	800
S 630/4	4.3	5.2	500	400	315	650	1600	1400	1200	1000
S 630/5	5.1	6.3	630	500	400	800	2000	1800	1600	1400
S 800/3	4.3	5.0	500	400	315	650	1600	1400	1200	1000
S 800/4	5.0	5.9	630	500	400	650	1800	1600	1400	1200
S 800/5	5.4	6.6	630	500	400	800	2000	1800	1600	1400
S 1000/4	5.8	6.8	630	500	400	800	2200	2000	1800	1600
S 1000/5	6.4	7.5	800	630	500	1000	2200	2200	2000	1800
S 1000/6	6.6	8.0	800	630	500	1000	2200	2200	2000	1800
S 1250/4	6.4	7.5	800	630	500	1000	2200	2200	2200	2200
S 1250/5	7.3	8.7	800	630	500	1000	2200	2200	2200	2200
S 1250/6	7.8	9.1	800	630	500	1000	2200	2200	2200	2200
S 1600/4	8.1	9.5	1000	800	630	1200	2200	2200	2200	2200
S 1600/5	8.1	9.5	1000	800	630	1200	2200	2200	2200	2200
S 1600/6	8.9	10.5	1000	800	630	1200	2200	2200	2200	2200
S 2000/4	8.9	10.6	1000	800	630	1200	2200	2200	2200	2200
S 2000/5	10.2	11.9	1200	1000	800	1200	2200	2200	2200	2200
S 2500/5	11.3	13.4	1200	1000	800	1200	2200	2200	2200	2200
S 2500/6	12.4	14.4	1400	1200	1000	1200	2200	2200	2200	2200
S 3150/5	14.1	16.9	1600	1400	1200	1200	2200	2200	2200	2200

<sup>1</sup>Diameter for belt-loads from 60% up to 100%. For lower loads a smaller diameter can also be suitable.

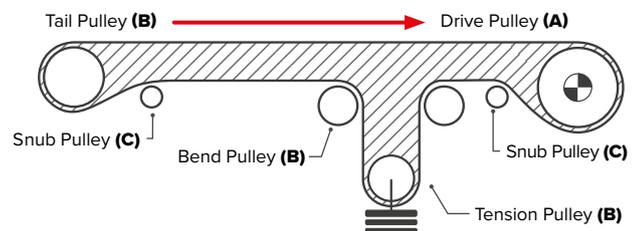
<sup>2</sup>The load support of a belt is a factor of the belt width, belt strength and bulk material density. The table indicates the limits for correct load support, based on three idlers of the same length set at 30°.

**1 Determine the total belt thickness.**  
*excluding fire resistant belts*

Add the sum of the covers to the carcass thickness.

**2 Determine the belt weight per m<sup>2</sup>.**  
*excluding fire resistant belts for which other weights apply*

Multiply the sum of the covers by 1.15 and add the result to the carcass weight.



**“We have tested many different belts but Fenner Dunlop conveyor belts always give us the longest service life.”**

— User of Superfort 400/3 4+2 RA belts in 650, 800 and 1000mm width. Poland

