

# Heavy Conveyor Belts SWP/5SECMF/SI



## Main industry segments

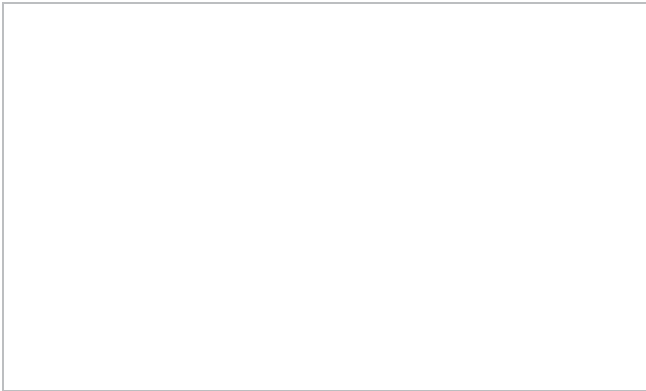
Cement, Food various

## Applications

Air gravity/air slide membrane, Food processing/conveying belt

## Special features

Air permeability



Product Construction / Design	
Conveying side material	Polyester (PET)
Conveying side surface	Fabric
Conveying side property	Non-adhesive
Conveying side color	White
Traction layer (material)	Silicone (SI)
Number of Fabrics	1
Pulley side material	Silicone (SI)
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	White

Product characteristics	
Antistatically equipped	No
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	Yes - Check Document of Compliance (DoC) in our Portal
Food suitability, USDA recommendations	No use intended

Technical data		
Thickness of belt	6.0 mm	0.24 inch
Mass of belt (belt weight)	4.3 kg/m <sup>2</sup>	0.886 lb/sqft
Min. operating temperature admissible (continuous)	-34 °C	-30 °F
Max. operating temperature admissible (continuous)	135 °C	275 °F
Coefficient of friction (pulley side / steel driving pulley)	0.20 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35 -	
Seamless manufacturing width	2235 mm	88.00 inch

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Air Permeability: @8" of water - 4 SCFM; @20" of water - 10 SCFM; @40" of water - 18.5 SCFM

### Joining related properties

Joining method	
Clipper #4	Master joining method for standard applications
Alligator #15	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Clipper #4	Alligator #15
Pulley diameter (minimum)	mm <i>inch</i>	102 <i>4.00</i>	102 <i>4.00</i>
Pulley diameter minimum with counter flection	mm <i>inch</i>	89 <i>3.50</i>	89 <i>3.50</i>
Admissible tensile force per unit of width	N/mm <i>lbf/in</i>	35 <i>200</i>	35 <i>200</i>
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		Yes	Yes
Powerturns / curved installations		No	No
Knife-edge (nosebar) suitable		No	No
Metal detector suitable		Yes	Yes

*All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554). Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.*

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## Chemical resistance

Link to 'Chemical resistance information': <https://rims.habasit.com>

## Mode of use or conveyance

Horizontal, Inclined

## Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

## Recommendation

Do not go below initial elongation (epsilon) ~ 0.5%

Protect belts from sunlight/UV-radiation/dust and dirt. Store spare belts in a cool and dry place and if possible in their original packaging. Check Link for Storage requirements:

["https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"](https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf)

No danger and limitation

Group	Woven Belts
Sub-Group	Various Conveyor Special Belts
Item number	H250001320

## Disclaimer

### Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

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