

## TECHNICAL DATASHEET

Status 05.10.2021

Item no.: S07110020  
S07110025  
S07110030  
S07110035

## PROPERTIES

**SX<sup>®</sup> insert profile** is a compression gasket based on an elastomer applicable as a sealant for joints.

**SX<sup>®</sup> insert profile** can be applied also for joints which are strained by chemical attack or atmospheric conditions due to its high stability against weather-, chemical-, UV-, and ozone conditions. The material of the profile is based on EPDM (Ethylen-Propylen-Dien-Monomer). The installation of **SX<sup>®</sup> insert profile** is independent on atmospheric conditions (highly consistent against heat, very good characteristics at cold temperatures).

## APPLICATION

**SX<sup>®</sup> insert profile** can be applied as a sealant for construction- and expansion joints as well as a closing-off profile for joints. **SX<sup>®</sup> insert profile** achieves its sealant function by the compression on the edges of the joint. The compression emerges from the restoring force caused by the deformation when installing the profile in between the flanks of the joint.

The installation is manually operated or machinable carried out with a specific chipping hammer.

In combination with the 1-component, liquid sealant **FlexproofX<sup>®</sup> 1** the **SX<sup>®</sup> insert profile** is applied also for remedial work of defective expansion joints. For this application **SX<sup>®</sup> insert profile** is used as a plugging and a sealing profile.

## TECHNICAL DATA

Profiles:	Ø 20 mm / round profile Ø 25 mm / round profile Ø 30 mm / round profile Ø 35 mm / round profile Ø 40 mm / round profile Ø 45 mm / round profile Ø 50 mm / round profile
Surface:	plane
Consistency:	100% closed cells EPDM-foam, all around closed outer surface, continuously extruded and vulcanized, non-adhesive bonds, even on the cutting site no water absorption, watertight at water pressure up to 1.0 bar
Colour:	black, grey
Density:	appr. 0.55 g/cm <sup>3</sup>
Hardness:	approximately 20° +/- 5° ShA
Tensile strength:	≥ 3 N/mm <sup>2</sup>
Elongation at break:	≥ 150%

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Compressive deformation:	max. 0,250 Mpa		
Remaining compressive deformation:	max.20%		
Reset tension:	0,15 – 0,40 N/mm <sup>2</sup>	(depending on the precompression)	
Reset force:	25% (ISO 815)		
Inflammability:	easily inflammable		
Stabilities:	temperature:	from -35 °C to +110 °C	
	ozone, weather, light:	very good, even excellent	
	acids, bases, ketones, alcohols:	excellent	
	lacquer:	indifferent – only with peroxide – but not with sulphuric compounds	
	oils and fats:	vegetable	good
	animal	limited	
	mineral	reasonable	

Important: All the above information about chemical properties consists of values measured in tests. We provide written advice in good faith. This should only be regarded as being advisory, and does not absolve the customer from undertaking their own tests and trials to determine the suitability of the material for the intended applications. We retain the right to make changes to this sheet without prior notice.

**PACKAGING & STORAGE**

Ø 20 mm round profile	length of roll: 25 m
Ø 25 mm round profile	length of roll: 25 m
Ø 30 mm round profile	length of roll: 20 m
Ø 35 mm round profile	length of roll: 20 m
Ø 40 mm round profile	length of roll: 25 m
Ø 45 mm round profile	length of roll: 10 m
Ø 50 mm round profile	length of roll: 10 m

**SX<sup>®</sup> insert profile** must be stored in a dry place. Avoid mechanical damage.

# SX<sup>®</sup> insert profile

Compression profile

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## INSTALLATION

The **SX<sup>®</sup> insert profile** penetrates the expansion joint which has to be redeveloped under compression by using a chisel or a wooden wedge. The size of the profile should tower above 10% of the joint width. The installation depth of the profile depends on the German Directive DIN 18540-F. **SX<sup>®</sup> insert profile** can be butt joined and bonded with **EPDM Contact adhesive SX<sup>®</sup>**.

## ACCESSORIES

Item no. S07110020	SX <sup>®</sup> insert profile Ø 20 mm L = 25 m
Item no. S07110025	SX <sup>®</sup> insert profile Ø 25 mm L = 25 m
Item no. S07110030	SX <sup>®</sup> insert profile Ø 30 mm L = 20 m
Item no. S07110035	SX <sup>®</sup> insert profile Ø 35 mm L = 20 m
Item no. S02110750	FlexproofX <sup>®</sup> 1 NV 7,5 kg
Item no. S02830291	Contact adhesive Super X1 PLUS
Item no. S02410290	Polymer-swellingpaste SX <sup>®</sup> 100
Item no. S07920002	EPDM Contact adhesive SX <sup>®</sup>

### Note:

The information on this data sheet is based on our experience and given to the best of our knowledge, but is not legally binding. Recommendations, which are at variance with those stated in this data sheet, are only binding for us, when confirmed in writing. The manufacturer is not responsible for damages resulting from the misuse or incorrect storage of the product. For the accuracy of this information we are liable within the scope of our delivery and service conditions. Creation date: 10/2021