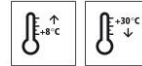


Technical Data Sheet

StoSeal D 100

Elastomeric waterstop, thickness of 1.0 mm



Characteristics

Area of application	• for sealing joints and cracks
Properties	• high movement capability • suitable for overcoating
Format	• roll length: 20 m • width: 100, 150, 200 mm

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Shore hardness type A	DIN 53505-A/EN ISO 868	80	
Tear resistance	DIN 53504	> 6 MPa	
Elongation at break	DIN 53504	> 400 %	
Resistance to tearing	DIN 53363	> 6.000 N/mm	

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

Substrate

Requirements The substrate must be dry, load-bearing, and free from native and foreign release agents. Remove less strong layers and laitance.

Dry in accordance with the definition of the DAfStb (German) Repair Guideline 2001-10, but depending on the compressive strength class. The moisture content may not exceed 4 CM per cent for concrete qualities up to C30/37 and max. 3 CM per cent for C35/45 concrete, measured with a calcium carbide meter.

Preparations Prepare the substrate using a suitable mechanical process.

Application

Application temperature Lowest application temperature: +8 °C
Highest application temperature: +30 °C

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StoSeal D 100

Application

1) Substrate preparation
Prepare the substrate.
Do not activate StoSeal D 100.

Required minimum width of the elastomer joint sealing tape:
- Each adhesive zone 40 mm
- Movement zone: joint movement x 10

Cut the elastomer joint sealing tape to size for details such as internal and external corners. When cutting to size, create overlaps of 40 mm. Weld individual segments together using hot air.

Border the sides of the adhesive zone with masking tape. Mask the substrate over the movement zone.

Bonding with StoPox SK 100:

2) Adhesive layer of StoPox SK 100
Apply StoPox SK 100 to the prepared adhesive surface on both sides of the movement zone in a layer approx. 1 - 2 mm thick, using a notched trowel.
Remove the masking tape over the movement zone.

3) Elastomer joint sealing tape StoSeal D 100
Align StoSeal D 100 over the movement zone and embed in the fresh adhesive.
Over movement joints, place the elastomer joint sealing tape in a loop into the joint and fix it.
Press out entrapped air in the adhesive zone.
Remove excess adhesive. Remove the masking tape.
Leave StoPox SK 100 to start to react.
Mask StoSeal D 100 with masking tape over the movement zone.

4) Top coat of StoPox SK 100
Trowel StoPox SK 100 in a layer thickness of approx. 1 - 2 mm over the adhesive surfaces and the elastomer joint sealing tape on both sides of the movement zone.
Run the coating down to zero at the borders.
Remove masking tapes.
If applying subsequent coatings, scatter quartz sand over the fresh filler coat.

Bonding with StoSeal P 505:

2) Adhesive layer of StoSeal P 505
Apply StoSeal P 505 to the concrete substrate and allow it to flash off.
Apply StoSeal F 505 to the prepared adhesive zone on both sides of the movement zone in a layer thickness of approx. 1 - 2 mm using a notched trowel.
Remove the masking tape over the movement zone.

3) Elastomer joint sealing tape StoSeal D 100

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StoSeal D 100

Align StoSeal D 100 over the movement zone and embed in the fresh adhesive.
Over movement joints, place the elastomer joint sealing tape in a loop into the joint and fix it.

Press out entrapped air in the adhesive zone.

Remove excess adhesive. Remove the masking tape.

Mechanical protection:

Protect the elastomer joint sealing tape from mechanical damage throughout the entire construction phase! It is possible to use metal strips, rubber granulate mats, or extruded polystyrene boards for this purpose. Protect the elastomer joint sealing tape from long-lasting exposure to temperatures above +70 °C.

Resistance

Good resistance to: Water-based bituminous waterproofing, water, cement, lime and sea water, UV radiation.

Limited resistance to: Alkalis/acids, organic solvents (hydrocarbons, esters, ketones).

Notes, recommendations, special information, miscellaneous

StoSeal D 100 is compatible with paint coats.

StoCretec GmbH recommends undertaking preliminary tests due to the wide range of coating materials on the market.

Elastomer joint sealing tapes are usually much more elastic than coatings. Cracks in the coating are to be expected if the flexibility of the coating is exceeded.

Delivery

Colour shade light grey

Packaging roll

Article number	Name	Container
03055-003	StoSeal D 100 200 mm	20 m roll
03055-002	StoSeal D 100 150 mm	20 m roll
03055-001	StoSeal D 100 100 mm	20 m roll

Storage

Storage conditions Store in dry and frost-free conditions.

Storage life In the original container until ... (see packaging).

Technical Data Sheet

StoSeal D 100

Certificates/approvals

GUT-00000923

Application guideline

Identification

Product group

Waterstop

Safety

For further information on handling the product, its storage and disposal, see EU Safety Data Sheet.
The EU Safety Data Sheet is available for the professional user.

Special notes

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use.
Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on the Internet.

StoCretec GmbH
Gutenbergstr. 6
D-65830 Kriftel

Tel.: +49 6192 401-104
Fax: +49 6192 401-105
stocretec@sto.com
www.stocretec.de