

Technical Data Sheet

StoSeal F 355

Joint sealant for floors and walls, non-sag



Characteristics

Area of application

- for waterproofing joints in surfaces subject to foot and vehicle traffic
- for waterproofing joints in storage buildings, sales areas, balconies, and access balconies
- for waterproofing joints in wall areas subject to mechanical stress

Properties

- highly elastic
- suitable for foot and vehicle traffic
- optimum non-sag properties
- good mechanical and chemical resistance
- high adhesive strength
- moisture-curing

Information/notes

- floor and connection joints in accordance with the IVD data sheet no. 1 (German Industry Association for Sealing Compounds)
- not suitable for areas subject to high chemical stress (e.g. in systems for the production, treatment, and use of water-polluting substances (HBV), or in plants that store, bottle, or process substances hazardous to water (LAU))
- not suitable for natural stone
- ISO 11600 F 20 (Building construction - Jointing products)
- product is in accordance with EN 15651-1
- product is in accordance with EN 15651-4

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density		1,52 g/cm ³	
Temperature resistance		-40 - 90 °C	
Movement capability		< 20 %	
Maximum joint width		30 mm	depending on the mechanical load
Shore hardness type A	DIN 53505-A/EN ISO 868	39 - 45	

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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

Substrate preparation:

Prepare the substrate using a suitable mechanical process.

Adjust the joint width according to the expected joint movement (take into account the approved movement capability of the joint sealant)

Joints suitable for vehicle traffic:
Produce a 5 mm deep bevel (45°) on the joint flanks. Maximum joint width 20 mm.

Joints suitable for foot traffic:
Do not produce any bevels. Fill the joint surface-flush. Maximum joint width 15 mm (accident risk).

Joint dimensioning in accordance with the IVD data sheet no. 1 (joint distance L / joint width b / sealant thickness d)

For exteriors (temperature difference up to 80 K)
up to 2 m / 12 mm / 10 mm
up to 4 m / 18 mm / 15 mm
up to 6 m / 25 mm / 20 mm
up to 8 m / 35 mm / 25 mm

For interiors (temperature difference up to 40 K)
up to 4 m / 10 mm / 10 mm
up to 6 m / 15 mm / 12 mm
up to 8 m / 20 mm / 15 mm

Application

Application temperature

relative humidity: max. 80 %
temperature > +5°C and 3 K above dew point
max. temperature (application/project) + 40°C

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Material preparation

Ready-to-use

Coating build-up

- 1) Surface preparation
- 2) StoSeal P 305 primer for PUR coatings and non-absorbent substrates, or StoSeal P 505 primer for EP coatings and absorbent substrates such as concrete
- 3) Foam backer rod: Sto-Backing Rod
- 4) sealant: StoSeal F 355

Application

with a flexible tube bag cartridge press

Using a paint brush, apply the undiluted primer evenly and not too thickly to the joint flanks.

Consumption: approx. 0.01 l/m

Then insert Sto-Backing Rod.

After an evaporation time of 10 minutes (StoSeal P 305) or 60 minutes (StoSeal P 505) (+23 °C), apply StoSeal F 355.

Application with a tubular bag cartridge gun.

Note:

StoSeal F 355 is suitable for overcoating.

StoCretec GmbH recommends undertaking preliminary tests due to the wide range of coating materials on the market. Delays in drying can occur in the case of alkyd resin paints.

Apply the coat within 4 hours. Otherwise, pre-clean with acetone.

Sealants are, however, usually much more elastic than paints. Cracks in the coating are to be expected if the flexibility of the coating is exceeded.

If applying StoSeal F 355 to coated or rendered substrates, observe a sufficiently long drying time for the paint coat/render (normally 10 days).

The sealant can turn slightly yellow in rooms without daylight due to the lack of UV light.

Drying, curing, ready for next coat

skin formation time:
approx. 20 to 40 min.

All drying information at +23 °C and 50 % relative humidity

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Complete curing
after 24 h: ≥ 3 mm
after 48 h: ≥ 4 mm

Do not use for glass pointing or in swimming pool areas.

Cleaning the tools	Clean with StoDivers EV 100 immediately after use.
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Delivery

Colour shade	grey
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Packaging	bags
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Article number	Name	Container
01823-001	StoSeal F 355 grey 600 ml tube bag	12 piece box

Storage

Storage conditions	Store in dry and frost-free conditions. Protect from direct sunlight.
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Storage life	In the original container until ... (see packaging).
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Identification

Product group	Joint filling compound
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GISCODE	x
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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.
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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.

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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.

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