Technical Data Sheet
StoSeal F 505

Joint sealant for facades, non-sag

CE

Characteristics

Area of application

- for waterproofing facade joints, window and door connections
- for bonding fillet profiles

Properties

- highly elastic
- optimum non-sag properties
- high adhesive strength
- moisture-curing

Information/notes

- also suitable for bonding joint sealing tapes in buildings
- product is in accordance with EN 15651-1

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density		1.45 g/cm³	
Water vapour diffusion-equivalent air layer thickness µ		930	
Temperature resistance		-40 - 90 °C	
Movement capability		25 %	
Maximum joint width		40 mm	
Shore hardness type A	DIN 53505-A/EN ISO 868	18	approx.

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.

Produce a 5 mm deep bevel (45°) on the joint flanks.

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

Joint dimensioning in accordance with the IVD data sheet (joint distance L / joint width w / sealant thickness t)

For exteriors (temperature difference up to 80 K)
up to 2 m / 10 mm / 10 mm
up to 4 m / 15 mm / 12 mm
up to 6 m / 20 mm / 15 mm
up to 8 m / 30 mm / 25 mm

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

Application	
Application temperature	relative humidity: max. 80 % temperature > +5°C and 3 K above dew point
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 505
Application	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 a flash-off time of 10 minutes (StoSeal P 305) or 60 minutes (StoSeal P 505) (+23 °C), apply StoSeal F 505. Application with a cartridge gun or tubular bag cartridge gun.

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Note:
StoSeal F 505 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.

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 505 to painted 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.

Cleaning the tools	Clean with StoDivers EV 100 immediately after use.
Notes, recommendations, special information, miscellaneous	In connection with StoDeco facade elements, please observe the Technical Data Sheets of these products.

Delivery

Colour shade	grey, white
Packaging	cartridge

	Article number	Name	Container
	01812-002	StoSeal F 505 white 600 ml flexible tube bag	12 piece box
	01812-001	StoSeal F 505 white 310 ml	1 piece cartridge
	01817-002	StoSeal F 505 grey 600 ml flexible tube bag	12 piece box
	01817-001	StoSeal F 505 grey 310 ml	1 piece cartridge

Storage

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

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Identification

Product group	Joint filling compound

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.

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