

Technical Data Sheet

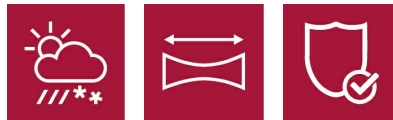
SP540

Floor Joint Sealant

05-12-2024 / V 1

Description

SP540 is a one-part, non-sagging, elastic sealant based on hybrid-polymers. SP540 couples the processing advantages of a one-part sealant and a curing system that is very fast for such products. The time for film formation is approximately 45 minutes. During and after curing, SP540 is chemically neutral, and low odour. After total curing the product is permanently elastic while still maintaining a high mechanical strength. SP540 shows a good resistance to UV light, weather and ageing. The product is free of isocyanates and silicone.



Features and Benefits

- Isocyanate and silicone free
- Fast curing
- Fast tack-free time
- Permanent elasticity
- High mechanical strength and good abrasion resistance
- Excellent resistance to weathering, aging, and UV exposure

Usage Purpose

SP540 is an elastic hybrid sealant for floor joints in pedestrian walkways, warehouses, parking areas. SP540 can be used in both indoor and outdoor applications.

Packaging

310 ml cartridges (12 per carton)
600 ml sausages (20 per carton)

Available Colour

Black and Concrete Grey

Shelf Life

12 months when stored as recommended in original unopened containers

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Technical Characteristics

Specific Gravity	DIN 52451-A	1.5
Reaction To Fire	EN 13501-1	Class E
Volume Shrinkage	DIN EN ISO 10563	3%
Skin Formation Time	+23°C, 50% RH	~ 40 minutes
Tensile Strength (Dry)	DIN 53504 S2	~ 1.7 N/mm ²
Elongation At Break (Dry)	DIN 53504 S2	~ 300%
Application Temperature		+5°C to +40°C
Modulus Of Elasticity	DIN 53504 S2	~ 1.0 N/mm ²
Shore A Hardness	DIN 53505	35
Movement Capability	ISO 11600	25%
Classification	ISO 11600	25HM
Service Temperature		-40°C to +90°C
Storage		Store in dry conditions between +5°C and +25°C
Cleaning		For surfaces and tools that are contaminated with uncured SP540, we recommend AT200 cleaner. Totally cured material can only be removed mechanically.
Consistency		Non-sagging
Cure Time	EN ISO 7390 20 mm profile	Maximum 3 mm in first 24 hours

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Technical Characteristics

<p>Adhesion</p> <p>+23°C, 50% RH</p>	<p>Aluminium: + Concrete: +, AT140 Electrically anodized aluminium: +, AT150 Glass: + Hot dip galvanized metal: + Iron: + Stainless steel: +, AT150 Tiles: + Tiles, back side: AT140</p> <p>The above recommendations refer to applications with normal weathering load. Due to the numerous possible variations of substrates they can only be used as a guideline:</p> <p>+ no primer necessary +, . . . tests have shown, that sometimes, but not always primer is needed.</p> <p>This depends on the real loads in the application, the exact composition of the neighbouring components as well as on the structure of the adhesion surfaces. As it is difficult to predict these influences, it is advisable to conduct preliminary adhesion tests, especially when not using a primer.</p>
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Substrate Preparation

- Joint faces should be clean of dust and free from substances likely to impair adhesion.
- Loose friable material must be removed and arises made good. Remove loose particles on concrete and plaster joints using a brush.
- Metal surfaces should be degreased with solvent.
- For a neat finish use masking tape for the joint edges.
- Depending on the substrate AT115 and AT200 cleaners are available.
- Clean powder coated surfaces with AT115.
- It is recommended that preliminary tests are carried out.

Protective Equipment

Use in well ventilated conditions and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, refer to safety data sheet.

Areas Of Application

For Interior and Exterior Use. SP540 is an elastic hybrid sealant for floor joints in pedestrian walkways, warehouses, parking areas. SP540 can be used in both indoor and outdoor applications.

Preparation

- Perform preliminary tests on critical and unknown surfaces in any case.
- See adhesion table below for potentially necessary pre-treatment according to our experience.

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Application

- Apply SP540 into the joint ensuring it is in full contact with the sides of the joint and avoid air entrapment.
- Use a compatible tooling agent to smooth the joint surface.
- If masking tape has been used remove it immediately after smoothing.

Please Note

Contact with bituminous or tar containing surfaces can lead to discoloration.

Staining can occur when used on natural stone.

When bonding to copper or brass, please consult Tremco CPG UK technical services for priming details.

Guarantee / Warranty

Tremco CPG UK Ltd products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Ltd written instructions and (b) in any application recommended by Tremco CPG UK Ltd, but which is proved to be defective, will be replaced free of charge. No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

Health And Safety Precautions

Safety data sheet must be read and understood before use.

Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

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Certification

