

CI/SfB	Yt4
CAW P22	
Uniclass L675:P71	

## 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 35 to 40 minutes. During and after curing, SP540 is chemically neutral, non-corrosive 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.

## Colours

Black and concrete grey

## Packaging

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



## Technical Information

Property	Test Method	Result
Specific Gravity	DIN 52451-A	1.5
Application Temperature		+5°C to +40 °C
Consistency	EN 27390 20 mm profile	0 mm, non-sagging
Skin Formation time	23°C, 50% RH	~ 35-40 minutes
CE Classification	EN 15651	Part 1: F-EXT-INT-CC, Part 4: PW-EXT-INT-CC
Shrinkage (by Volume)	DIN 52451	3%
Modulus at 100% Elongation	DIN 53504 S2	~ 1.0 N/mm <sup>2</sup>
Tensile Strength	DIN 53504 S2	~ 1.7 N/mm <sup>2</sup>
Elongation at Break	DIN 53504 S2	~ 300%
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 shaded, dry conditions between +5°C and +25°C
Shelf Life		12 months when stored as recommended in original unopened packaging

## Surface Preparation

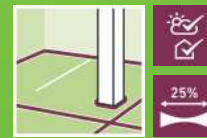
- Joint faces should be clean of dust and free from substances likely to impair adhesion.
- Loose friable material must be removed and arrisses made good. Remove loose particles on concrete and plaster joints using a brush.
- Metal surfaces should be degreased with solvent.
- For a neat finish use masking 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.

## Joint Backing

- If necessary to achieve the optimum joint cross section back fill the joint with closed cell polyethylene backer rods.

## SP540

### Floor Joint Sealant



#### 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.

#### Key Benefits

- Isocyanate & 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

### Pre-Treating the Adhesion Surfaces

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

### 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.

### Cleaning

For surfaces and tools that are contaminated with uncured SP540, we recommend AT200 cleaner. Totally cured material only can be removed mechanically.

### Please Note

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

Staining can occur when used on natural stone.

### Adhesion Table

#### Substrate

Aluminium	+
Concrete	+, AT140
Electrically anodized aluminium	+, AT150
Glass	+
Hot dip galvanized metal	+
Iron	+
Stainless steel	+, AT150
Tiles	+
Tiles, back side	AT140

The above recommendations refer to applications with normal weathering load. Due to the numerous possible variations of substrates they only can be used as a guideline:

+ no primer necessary

+, . . . tests have shown, that sometimes, but not always primer is needed.

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.

#### Technical Service

tremco illbruck has a team of experienced Technical Service Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Service on 01942 251400.

#### Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has

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**tremco illbruck Limited**  
Coupland Road, Hindley Green  
WN2 4HT Wigan  
United Kingdom  
T: +44 1942 251400  
F: +44 1942 251410

info.uk@tremco-illbruck.com  
www.tremco-illbruck.co.uk