

COSTAR EXPANSEAL 200

Two Component Polysulphide Sealant

Description

COSTA EXPANSEAL 200 is a two-component poly-sulphide joint sealant which, when the Part A and B components are mixed together leads to a chemical reaction, which cures to a firm, flexible rubber like seal with excellent adhesion to concrete, masonry, wood, glass, acrylic, stone, metal and many other common building substrates. It is very flexible and has good chemical resistance. It is suitable for vertical applications.

Features & Benefits

- Excellent repair ability and bonding property
- Completely water tight when applied on concrete and other surfaces
- Sealant will not cause staining to concrete masonry or stones
- No unwanted remoistening
- Under temperature -20°C to 80°C , it performs well
- Durable, and unaffected by UV rays, ozone and other weathering conditions
- It has a movement capability that provides satisfactory hermetic
- Sealing of the joint subjected to expansion, contraction, vibration and cyclic movement

Application Areas

- Sealing of expansion, contraction & construction joints in building structure
- Sealing of cracks
- Glazing joints of window, door frame and curtain walls
- Sealing of water retaining structure joints
- Sealing of joints in traffic areas such as, Bridges, roads and car parking areas

Surface Preparation

Surface preparation is the most important step before application of sealant to get best results and to avoid failure.

All surfaces must be clean, free of grease, oil, dirt, wax, and other foreign matter.

Clean the joint surface by wire brush and sanding with emery paper.

Cleaning agents (brush) maybe provided they are thoroughly rinsed before application.

Product Application

Apply Costar primer to the clean and dry surface using a brush prior to the installation of backer rod or bond breaking tape. The primer should be applied in a thin coat and should be allowed to become tack free prior to the application of the sealant.

The joint edges shall be re-primed if the sealant installation is not carried out within 3 hours of application of the primer. Masking tape shall be applied on both the edges of the groove before applying the primer to obtain a clean and neat finish.

Mixing and Application

Pour the hardener (part B) into the base (part A) pail and mix thoroughly with a slow speed drill (300-400 rpm) fitted to a flat bladed paddle for 2-3 minutes till a uniform color and consistency is achieved. Do not part mix.

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Pour the mixed material directly into the joint from the pail. Any masking tape applied should be removed immediately after the sealant is installed

Packaging

Part A: 4kg

Part B: 2Kg

Theoretical Coverage

Depth (mm)	Width(mm)			
	10	15	20	25
10	4m	3.5m	2.5m	1m
15	3.5m	3m	2.2m	0.83m
20	2.5m	2m	1.5m	0.67
25	1m	0.83m	0.67m	0.5-1m

Consumption rate depends on the shape and width of the joint

Technical Information

Properties	Values
Color	Grey
Density (200c)	1,35 gr/cm ³ ±0.05
Service Temperature	-20°C to + 80°C
Hardness ASTM D2240,DIN 53505,ISO R 868	± 25 (Shore A)
Elongation Percentage (23°C)(ASTM D 412)	± 25 (Shore A)
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Adherence on Concrete (23°C)(ASTM D 903)	> 25 N/mm ²
Pot life and drying time depends on temperature	Touch Dry: 90 -120 minutes
Tack Free Time	5 Hrs

Standards

BS 4254-1983: British Standard Specification
 C-920-87: American Society for Testing & materials (ASTM)
 DIN-18549: German Standard Specification.

Precautions

It is advisable to use hand gloves and goggles during application. Avoid application and damp or moist substrate.
 It should be stored at room temperature.
 Ensure that two coats of primer are applied on the jointing surfaces

Safety & Disposal

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data sheet.

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