



TAMMSFLEX 849

CHEMICAL RESISTANT POLYSULPHIDE JOINT SEALANT

DESCRIPTION

TAMMSFLEX 849 resists most aqueous solutions, alkalis, aliphatic hydrocarbons and many chemicals found in the industry. For specific resistance information, contact StonCor Africa Technical Department.

PRIMARY APPLICATIONS

- Sealing of vertical or horizontal concrete joints in chemical plants, water and sewage works.

FEATURES / BENEFITS

- High resin content
- Non-sag, non-tacky cured surface
- Fast setting time
- Long life performance
- Suitable under continual wet conditions

JOINT DESIGN

It is recommended that joints be designed so that the movement does not exceed 25% of the joint width. The joint configuration should be such that the ratio of joint width to depth be 2:1, except in the case of smaller joints where the minimum recommended depth of 6mm is applicable. It is advisable to ensure that joints are parallel sided as departures from this could impair the service life of the sealant. It is essential that a bond breaking backing cord be inserted into the joint to support the sealant and to control the depth.

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Typical Properties:

	TAMMSFLEX 849
Finish	Slight sheen
Colour	Black
Consistency	Thick paste
Volume Solids	100%
Pot Life	30 to 60 Minutes
Apply By	Pressure Gun
Curing Time	
Initial Set	24 Hours
Full Cure	7 Days
Maximum Service Temperature	-30°C to 50°C
Application Temperature Range	15°C to 35°C
Shore A Hardness	25 ± 10
VOC Content	8 g/l

SHELF LIFE

12 Months in original, unopened package and if stored in dry conditions between 15°C to 35°C.

PACKAGING / YIELD

2 Litre kit: Part A and B

The following table gives guidelines on theoretical material estimates in linear metres/litre:

JOINT WIDTH	JOINT DEPTH			
	5mm	10mm	12mm	15mm
5mm	40m/l	-	-	-
10mm	-	10m/l	-	-
12mm	-	8.3m/l	-	-
15mm	-	6.7m/l	-	-
20mm	-	5m/l	-	-
25mm	-	-	3.3m/l	-
30mm	-	-	-	2.2m/l

DIRECTIONS FOR USE

Scope of Work (BOQ): All joints to be sealed with TAMMSFLEX 849 Chemical Resistant Polysulphide Joint Sealant mixed and applied onto primed surfaces in accordance with the manufacturer's detailed instructions.

Surface Preparation: Before application of TAMMSFLEX 849 Polysulphide Joint Sealant, attention should be given to ensure that the joint is clean, dry and sound. All dust, laitance or unsound material should be removed by mechanical means. Concrete surfaces should be at least 28 days old prior to sealing being undertaken.

Priming: Tape edge of joints with masking tape to ensure a clean, tidy joint. Prime the faces of the joint with Stonprime 639 for porous surfaces. Allow primer to dry before application of the sealant is started.

Joint Backing: To provide proper joint movement, the width/depth ratio should be 2:1, subject to a minimum depth of 10mm. Install a smooth-faced closed cell polyurethane foamed backer rod under 20 to 30% compression to correct depth.

Mixing: Remove the activator pack and follower plate from the kit and mix the contents of the activator pack with base by slow speed (150 to 250 RPM) mechanical stirring for 5 minutes until a uniform colour and consistency is obtained.

Detailed attention to mixing of the components must be given and the need for complete blending cannot be over-emphasised. Replace the follower plate in the can and load the sealant gun.

Placement: The sealant should be applied in such a manner as to ensure freedom from air pockets and to obtain good contact with the joint faces. This will be assisted by tooling the sealant with the tool being lubricated with a minimum amount of water. On completion of work and at regular intervals during sealing operations.

Clean all equipment with Pro-Struct 105 Brush Cleaner and rinse with clean water.

PRECAUTION / LIMITATIONS

- Based on ACI 302 recommendations, joint sealant should be applied as late as possible after construction to allow for minimal additional slab shrinkage. Consult ACI 302 comments regarding concrete shrinkage, joint filling and user expectations.
- TAMMSFLEX 849 and all application equipment should be kept at ambient temperatures of 15°C or above.
- Contact surfaces must be clean and dry for best adhesion.
- Joint edges must be thoroughly cleaned prior to filling, particularly if a floor sealer or densifier has been applied.
- Product may slightly discolour if constantly exposed to exterior UV radiation.
- In all cases, consult the material safety data sheet before use.