PRODUCT DATA SHEET

PRO-STRUCT®

849

CHEMICAL RESISTANT POLYSULPHIDE JOINT SEALANT

HIGH RESIN CONTENT
LONG LIFE PERFORMANCE
NON-SAG, NON-TACKY CURED SURFACE
SUITABLE UNDER CONTINUAL WET CONDITIONS
QUICK SETTING TIME

USES:

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

RESISTANCE:

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

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.

SPECIFICATION

All joints to be sealed with Pro-Struct 849 Chemical Resistant Polysulphide Joint Sealant mixed and applied onto primed surfaces in accordance with Manufacturer's detailed instructions.

TYPICAL PROPERTIES AT 25°C

Finish	Slight Sheen
Colour	Black
Consistency	Thick Paste
Volume Solids	100%
Theoretical Coverage	Refer to guide
Number of Components	2
Mix Ratio by Volume	Mix as supplied
Pot Life	30 to 60 Minutes
Apply Over	Primed sound surfaces
Apply By	Pressure Gun
Curing Time	24 Hours – initial set 7 Days – full cure
Thinners	Nil
Shelf Life	12 Months
Max 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

INSTRUCTIONS

Before application of Pro-Struct 849 Quickseal 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. Tape edge of joints with masking tape to ensure a clean, tidy joint. Prime the faces of the joint with Stonprime 639 Primer for porous surfaces. Place bond breaking backing cord in position. Allow primer to dry before application of the sealant is started. 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.

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, all equipment to be cleaned with Pro-Struct 105 Brush Cleaner.

APPLICATION INSTRUCTIONS

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions and application procedure. It is assumed that the proper product recommendations have been made. These instructions should be followed closely to obtain the maximum service from the materials.

JOINT QUANTITY MATERIAL GUIDE

NO ALLOWANCE HAS BEEN MADE FOR WASTAGE

JOINT SEALANTS

JOINT SIZE (mm)	LINEAR METRES/LITRE
5 x 5	40,0
6 x 6	28,0
10 x 10	10,0
12 x 10	8,3
15 x 10	6,7
18 x 10	5,6
20 x 10	5,0
24 x 12	3,5
25 x 12	3,3
30 x 15	2,2

CAUTION: MAY CONTAIN FLAMMABLE SOLVENTS. KEEP AWAY FROM SPARKS AND OPEN FLAMES. IN CONFINED AREAS WORKMEN MUST WEAR FRESH AIRLINE RESPIRATORS. HYPERSENSITIVE PERSONS SHOULD WEAR GLOVES OR USE PROTECTIVE CREAM. ALL ELECTRONIC EQUIPMENT AND INSTALLATIONS SHOULD BE MADE AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. IN AREAS WHERE EXPLOSION HAZARDS EXIST, WORKMEN SHOULD BE REQUIRED TO USE NON-FERROUS TOOLS AND TO WEAR CONDUCTIVE AND NON-SPARKING SHOES.

PRO-STRUCT®

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