

## QUICKSET NON-MOVING INDUSTRIAL FLOOR JOINT FILLER

- **Tough performance**
- **Colour range to match floor coating**
- **Suitable for filling cracks in old floors**
- **Protects joint shoulder against edge breaks, reducing floor repairs**
- **Excellent chemical resistance to dilute acids and alkalis**

### PRODUCT DESCRIPTION:

Pro-Struct 748 is a solvent-free, two component epoxy modified polysulphide designed to quick cure to a semi-rigid state, even under low temperature and damp conditions. The cured chemical resistance and mechanical properties achieved makes it an ideal joint filler for industrial floors where heavy loads and various chemical spillages are encountered.

### USES:

- Non-moving control and construction joints
- Cracks and joint repairs for floors
- Reduces spalling caused by wheel traffic
- Industrial and commercial floors
- Supports joint edges in warehouse floors
- Colour range to match flooring system

### JOINT DESIGN:

It is recommended that joints be designed so that the movement does not exceed 5% of the joint width. The joint configuration should be such that the full depth of the joint or crack be filled for proper load transfer. Avoid the use of backing cord or other material to reduce volume. Only used if required to prevent material loss during application. Pro-Struct 748 should be placed at a minimum depth of 25mm x 5mm wide. All joint edges or cracks should be squared, dust-free and primed with Stonprime 639 prior to application.

### PACKAGING & COVERAGE:

2 Litre kit; Part A + B

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

JOINT WIDTH	JOINT DEPTH		
	25mm	38mm	50mm
5mm	8m/litre	5.3m/litre	4m/litre
7.5mm	6m/litre	3.9m/litre	3m/litre
10mm	4m/litre	2.6m/litre	2m/litre

### SHELF LIFE:

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

TYPICAL PROPERTIES AT 25°C	
Pot Life	30 to 60 minutes
Shore A, ASTM D2440	70 to 80
Compressive Strength	20 to 30 MPa
Tensile Strength	4 to 6 MPa
Adhesion to Concrete, ASTM D4541	1.7 MPa Concrete failure
Cure Time	
Initial Set	2 to 4 Hours
Light Traffic	16 to 24 Hours
VOC Content	27 g/litre

# 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.

## PLACEMENT GUIDELINES

### SCOPE OF WORK (BOQ):

Prepare joints, ensuring clean and dry before applying Pro-Struct 748 Semi-rigid Joint Filler to fill joints to full depth

### SURFACE PREPARATION:

All joints to be filled must be clean and dry. All oil, dirt, debris, paint and any other material that may be a bond breaker must be removed. The final step in cleaning must be the complete removal of all residue with a vacuum cleaner and oil-free compressed air. All joint facings must possess an open surface texture with all curing compounds and sealers removed. If this product will be used for filling floor cracks, the cracks must be routed and cleaned before filling. For proper installation, all edges must be squared off.

### JOINT BACKING:

To provide proper load transfer, Pro-Struct 748 Semi-rigid Joint Filler must be filled full depth of the joint or crack. Do not use backer rod or other fill material for the purpose of reducing volume. Dried silica sand, 1.5 to 3mm, may be used to fill the crack at the bottom of the joint to prevent three-sided adhesion.

### PRIMING:

Pro-Struct 748 Semi-rigid Joint Filler does require a primer before application. Stonprime 639 should be used to seal cut joint sides. Allow primer to dry before application of the sealant is started.

### MIXING:

Pre-mix each component prior to mixing together for 4 to 5 minutes mechanically using an impeller fitted to a variable speed drill. Make sure the sides and bottom of the container are scraped to ensure thorough mixing.

### PLACEMENT:

Mask edges and pour Pro-Struct 748, filling  $\frac{2}{3}$  of joint. Allow material to settle and complete filling within 1 hour to the level of the floor. Remove masking tape at initial set time to leave a neat joint line.

Clean equipment immediately after use with Pro-Struct 105 Brush Cleaner and rinse with clean water.

### PRECAUTION/LIMITATIONS:

- Based on ACI 302 recommendations, joint fillers 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.
- Pro-Struct 748 Semi-rigid Joint Filler material and all application equipment should be kept at ambient temperatures of 15°C or above.
- Do not use Pro-Struct 748 Semi-rigid Joint Filler as an expansion joint sealant.
- Widening of the joint over time, beyond the limitations of the product could result in splitting of the filler (refer to Joint Filler Maintenance Procedure).
- Contact surfaces must be clean, dry and primed 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.

**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.



**StonCor Africa (Pty) Ltd**  
Co. Reg. No. 1996/001848/07  
Tel: +27 (0) 11 254 5500  
Website: [www.stoncor.co.za](http://www.stoncor.co.za)  
E-mail: [stoncorsa@stoncor.com](mailto:stoncorsa@stoncor.com)