



TAMMSFLEX 744 POUR GRADE

TAMMSFLEX 749 GUN GRADE

POLYSULPHIDE JOINT SEALANT

PACKAGING

TAMMSFLEX 744/749 is packaged in a 2 litre kit.

APPROXIMATE YIELD

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

CLEAN-UP

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

SHELF LIFE

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

DESCRIPTION

TAMMSFLEX 744/749 is a 2-component manganese dioxide cured polysulphide sealant designed to through-cure to a tack-free surface, even under adverse climatic conditions.

PRODUCT CHARACTERISTICS

FEATURES / BENEFITS

- High resin content for flexibility
- Non-sag and non-tacky cured surface
- Suitable under continual wet conditions
- Long life performance
- Fast setting time
- Tough elastic seal

PRIMARY APPLICATIONS

- Sealing vertical and horizontal concrete joints
- Exterior exposure, UV-resistant
- Sealing window and door frames
- Trafficable sealant
- Water retaining structures
- Cladding in high rise structures

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 10mm is applicable. It is advisable to ensure that joints are parallel sided as departure from this could impair the service life of the sealant. It is essential that a bond breaking backup 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 744/749
Pot Life	30 to 60 minutes
Shore A, ASTM D2440	25 ± 10
Adhesion in Tension	142N
Adhesion after Water Immersion	130N
Adhesion in Peel	180N
Cure Time	
Initial Set	4 to 6 hours
Light Traffic	16 to 24 hours
Service Temperature	-30°C to +50°C
VOC Content	8 g/litre
Pot Life	30 to 60 minutes

Tammsflex 744/749 (2) July 2024 replaces November 2022

To the best of our knowledge the technical data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact StonCor Africa to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to StonCor Africa Quality Control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. Prices and cost data, if shown, are subject to change without prior notice. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY STONCOR AFRICA, EXPRESS OR IMPLIED, STATUTORY BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

DIRECTIONS FOR USE

Scope of Work (BOQ): Prepare joints, ensuring clean and dry before applying TAMMSFLEX 749 Pour Grade or TAMMSFLEX 749 Gun Grade Joint Sealant, inclusive of primer.

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. For proper installation, all edges must be squared off.

Priming: Tape edges of joints with masking tape to ensure a clean and tidy point. Prime the face of the joint with Stonprime 639. Allow primer to dry before application of the sealant.

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: 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. For TAMMSFLEX 749, fill caulking gun fitted with desired nozzle width.

Placement: Pour TAMMSFLEX 744 or TAMMSFLEX 749 in a bead to correct depth, ensuring full contact with joint faces. Remove masking tape at initial set time to leave a neat joint line. Tool level, ensuring no entrapped bubbles.

PRECAUTIONS / 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 749 and TAMMSFLEX 744 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.

Tammsflex 744/749 (2) July 2024 replaces November 2022

To the best of our knowledge the technical data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact StonCor Africa to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to StonCor Africa Quality Control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. Prices and cost data, if shown, are subject to change without prior notice. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY STONCOR AFRICA, EXPRESS OR IMPLIED, STATUTORY BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.