



**Globally Proven
Construction Solutions**

JOINT TITE 750™

JOINT TITE 750™ is a self-leveling, 100% solids, two component, rapid curing, polyurea control joint and crack filler. JOINT TITE 750 is designed to fill interior random cracks, damaged control joints, saw cut control joints, and construction joints in industrial concrete floors. JOINT TITE 750 is designed specifically for commercial, retail, and manufacturing floor applications which receive high volume vehicle traffic, such as fork lift or hard rubber wheel carts. JOINT TITE 750 is flexible, allowing normal slab movement, yet strong enough to protect the vertical edges of concrete joints from spalling under extreme loading. JOINT TITE 750 can be placed in a wide temperature application range of 7°C – 66°C.



FEATURES/BENEFITS

- Reduces floor maintenance costs
- Remains flexible, even in frigid temperatures
- Return to service in 60 Minutes
- Self-leveling
- Low moisture sensitivity

USES

This product is designed to protect interior horizontal, non-moving control joints and construction joints. Its use prevents deterioration of unfilled joint edges caused by high volume traffic of hard rubber wheeled vehicles. JOINT TITE 750 is recommended for use in industrial facilities, warehouse floors, manufacturing facilities, cold storage and food processing facilities, transportation facilities, wholesale stores, health, educational, convention, recreation and government facilities.

SUITABLE SUBSTRATES

- Concrete Joints

PACKAGING

The JOINT TITE 750 system consists of two component units packaged as follows:

37.9 L (10 gal) Unit: 18.9 L (5 gal) of "A" side and 18.9 L (5 gal) of "B" side.

Also available in a 600 ml (20 oz) dual cartridges with static mixing nozzle.

SHELF LIFE

Keep JOINT TITE 750 containers tightly sealed and stored in a cool, dry place between 15 - 30°C. Keep away from extreme heat, freezing and moisture. Shelf life of unopened containers is one year when properly stored. Component A is very sensitive to humidity. Use or properly discard unused component A within a short period of time after opening container.

MANUFACTURER

LATICRETE Australia Pty Ltd
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Toll Free: 1800 331 012
Fax: 07 3865 2250
Internet: www.laticrete.com.au

Approximate Coverage

Joint Depth mm	Joint Opening/Width – mm					
	3mm	6.3mm	9.5mm	12.7mm	19mm	25.4mm
13mm	14.6	7.3	4.8	3.6	2.4	1.8
19mm	9.7	4.8	3.2	2.4	1.6	1.2
25mm	7.3	3.6	2.4	1.8	1.2	0.9
32mm	5.8	3	2	1.4	0.9	0.7
38mm	4.8	2.4	1.6	1.2	0.8	0.6
44mm	4.1	2.1	1.4	1	0.7	0.5
51mm	3.6	1.8	1.2	0.9	0.6	0.4
Linear Metres per 600 ml Cartridge						
Note: Does not allow for waste or overfill						

Joint Depth mm	Joint Opening/Width – mm			
	3mm	4.7mm	6.3mm	9.5mm
19mm	60.9	41.1	30.5	21.3
25mm	45.7	30.5	24.4	15.2
38mm	30.5	21.3	15.2	10.4
51mm	22.9	15.2	12.2	7.6
Linear Metres per 3.8L				
Note: Does not allow for waste or overfill				

Limitations

- JOINT TITE 750™ should not be used to fill or repair moving joints or exterior cracks, damaged control joints or new construction joints if deck or slab movement from thermal cycling is expected.
- Intended for interior use and non-moving joints only
- Per ACI 302 recommendations, defer joint filling as long as possible. Newly poured concrete slabs should cure for a minimum of 90 days to minimize the effects of related shrinkage and hydration on the joint opening.
- Not recommended for installations below -7°C, such as operating freezers
- JOINT TITE 750 contains aromatic isocyanates. Exposed surface discoloration of product may be caused by exposure to sunlight or other ultraviolet light sources. However, the durability of the hardened product will remain unaffected.

Cautions

- Consult SDS for more safety information
- Contains isocyanates
- Wear protective gloves, hand creams, goggles and clothing when handling resins
- Prolonged exposure may cause skin irritation, dermatitis or other allergic responses
- Cornea damage can occur from eye contact
- Mix in ventilated area
- Do not inhale fumes
- Keep away from heat or open flame. Do not thin with solvent
- Wear protective particle mask when grinding off overfill

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system

TECHNICAL DATA

USDA approved for incidental food contact areas.

Property	Observed
Colour	Medium Gray
Shore A Hardness ASTM D 2240	80 - 85
Tensile Strength ASTM D 412	10.3 MPa
Adhesion to concrete ASTM D 4541	3.1 MPa
Set time @ 25°C	Tack free: 5 min Light Traffic: 45 min Full Traffic: 1 hour
Mix ratio (Part A:Part B)	1:1
Solids Content	100%

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of LATICRETE Australia. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

INSTALLATIONS

New Floor Joint Preparation:

New saw cut control joints and construction joints require cleaning before installation of JOINT TITE 750. Using a dustless grinder with an abrasive or dry diamond blade, "chase" the existing control joint to remove the presence of all concrete laitance that normally builds up on the joint face. Residual dust or debris must be brushed free by using a nylon bristle brush or wire wheel mounted to an angle grinder followed by vacuuming or air blasting. Simply raking or blowing out joints is not an acceptable cleaning method. Protect exposed concrete surfaces from staining caused by product overflow with tape or stain protector.

Interior Random Crack Preparation: The concrete surface must be structurally sound, cleaned and free of all dirt, grease, loose concrete and moisture. Use a grinder with a "U" shaped diamond blade to chase out the random crack. Cracks with extensive edge spalling should be cut back to sound concrete, then chipped to remove remaining concrete. Always prepare the joint to have regular and vertical sides. Crack Depth: Prepared crack depth in random cracks should be minimum of 19 mm.

Damaged Joints Preparation:

Remove any existing joint material within the joint by first cutting and removing by hand. Using a grinder with an abrasive or dry diamond blade, chase out the joint area. Special care should be taken to remove all foreign material, leaving a clean, dry, and properly prepared concrete surface. Joints with extensive edge spalling should be cut back to sound concrete. Remove residual dust and debris by using a nylon bristle brush or wire wheel mounted to an angle grinder. The repair area must be clean and dry to permit proper bonding.

Joint Depth:

Sealant depth in damaged horizontal saw cuts or preformed control joints should be a minimum of 25 mm depth. Joints exceeding 25 mm in width should be equal depth to width. Contact LATICRETE if joint edges are spalled to a width of 50 mm or greater.

Recommended Installation Method:

Because of its short work life and quick cure time, JOINT TITE 750™ can be installed only through a plural component mechanical pump system. Do not attempt to mix by hand.

Mixing:

Precise and accurate mixing of polyurea components is critical to the long-term performance of this product. Prior to dispensing, thoroughly mix the resin “B” side prior to mixing components together to redistribute any settlement that occurred during shipment. Due to the fast setting nature of this product, all mixing is to be done only through a 300 mm minimum length, 40 element static mixing wand fitted onto the plural pump. All necessary mixing is completed as the mixed product exits the terminal end of the mixing wand.

Filling Steps:

With constant pressure, deliver JOINT TITE 750 in one pass into the properly prepared joint or crack, and overfill the joint well slightly by 1.5 mm. Excessive overfill will waste product and may cause surface staining. After 45 minutes, trim excess product using an 200 mm mastic scrapper with a razor blade insert, creating a smooth transition across the joint or random crack.

Machine Dispensing:

Use plural component pumps that have been specifically designed for installing JOINT TITE 750 and similar type products. Pumps must be low pressure, 1:1 ratio, duplex pump systems with a delivery capability of 11 – 15 Litres/minute. Contact LATICRETE Technical Services for specific equipment recommendations.

Clean Up:

Cured product may be disposed of without restriction. Excess liquid “A” and “B” material should be mixed together and allowed to cure and solidify, then disposed of in the normal manner. Product containers that are “drip-free” may be disposed of according to local, state and federal laws. Use disposable or plastic tools such as cardboard trowels or plastic buckets whenever possible. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured material from tool.

AVAILABILITY AND COST**Availability**

LATICRETE materials are available worldwide.

For Distributor information:

Toll Free: 1800 331 012

Telephone: 07 3865 1599

For online distributor information, visit LATICRETE at www.laticrete.com.au

Cost

Contact a LATICRETE Distributor in your area.

MAINTENANCE

Non-finish LATICRETE and LATAPOXY® installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

TECHNICAL SERVICES**Technical assistance**

Information is available by calling:

Toll Free: 1800 331 012

Telephone: 07 3865 1599

Fax: 07 3865 2250

Technical and safety literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.au

DISCLAIMER

- The information contained in this document is given in good faith and to the best of our knowledge is true and accurate.
- This information is subject to change without notice and it is the responsibility of the user to obtain up to date and current information.
- The use of this product is beyond our control and LATICRETE is not responsible for any loss or damage arising from the incorrect use of this product.
- Efflorescence is a normal condition of Portland cement and is not covered by any warranty.

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