



JOINT TITE 750™

DS-176.5-0417

A product brand of LATICRETE International, Inc.



1. PRODUCT NAME

JOINT TITE 750™

2. MANUFACTURER

LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION

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 20-150°F (-7-66°C).

Use

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.

Advantages

- Reduces floor maintenance costs

- Remains flexible, even in frigid temperatures
- Return to Service in 60 Minutes
- Self-leveling
- Low moisture sensitivity

Suitable Substrates

- Concrete Joints

Packaging

The JOINT TITE 750 system consists of two component units packaged as follows: 10 gal (37.9 L) Unit: 5 gal (18.9 L) of "A" side and 5 gal. (18.9 L) of "B" side. Also available in a 20 oz (600 ml) dual cartridges with static mixing nozzle.

Approximate Coverage

Joint Depth Inch (mm)	Joint Opening/Width - Inch (mm)					
	1/8" (3 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (12.7 mm)	3/4" (19 mm)	1" (25.4 mm)
1/2" (12.7 mm)	48 (14.6)	24 (7.3)	16 (4.8)	12 (3.6)	8 (2.4)	6 (1.8)
3/4" (19 mm)	32 (9.7)	16 (4.8)	10.7 (3.2)	8 (2.4)	5.3 (1.6)	4 (1.2)
1" (25.4 mm)	24 (7.3)	12 (3.6)	8 (2.4)	6 (1.8)	4 (1.2)	3 (.9)
1-1/4" (31.7 mm)	19 (5.8)	9.6 (3)	6.4 (2)	4.8 (1.4)	3.2 (.9)	2.4 (.7)
1-1/2" (38 mm)	16 (4.8)	8 (2.4)	5.3 (1.6)	4 (1.2)	2.7 (.8)	2 (.6)
1-3/4" (44.4 mm)	13.7 (4.1 m)	6.9 (2.1 m)	4.6 (1.4 m)	3.4 (1 m)	2.3 (.7 m)	1.7 (.5 m)
2" (50.8 mm)	12 (3.6)	6 (1.8)	4 (1.2)	3 (.9)	2 (.6)	1.5 (.4)
Linear Feet (Meters) per 600 ml Cartridge						
Note: Does not figure in waste for overfill						

Joint Depth Inch (mm)	Joint Opening/Width - Inch (mm)			
	1/8" (3 mm)	3/16" (6.3 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)
3/4" (19 mm)	200 (60.9)	135 (41.1)	100 (30.5)	70 (21.3)
1" (25.4 mm)	150 (45.7)	100 (30.5)	80 (24.4)	50 (15.2)
1-1/2" (38 mm)	100 (30.5)	70 (21.3)	50 (15.2)	34 (10.4)
2" (50.8 mm)	75 (22.9)	50 (15.2)	40 (12.2)	25 (7.6)
Linear Feet (Meters) per Gallon				
Note: Does not figure in waste for overfill				

Shelf Life

Keep JOINT TITE 750 containers tightly sealed and stored in a cool, dry place between 60-85°F (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.

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 20°F (-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.

4. TECHNICAL DATA

USDA approved for incidental food contact areas.

Physical Properties

Property	Observed
Color	Medium Gray
Shore A Hardness ASTM D 2240	80-85
Tensile Strength ASTM D 412	1500 psi (10.3 MPa)
Adhesion to concrete ASTM D 4541	450 psi (3.1 MPa)
Set time @ 75°F (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 International, Inc. 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.

5. INSTALLATION

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 3/4” (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 1” (25 mm) depth. Joints exceeding 1” (25 mm) in width should be equal depth to width. Contact L&M if joint edges are spalled to a width of 2” (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 3/8” (10 mm) wide, 12” (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 1/16" (1.5 mm). Excessive overfill will waste product and may cause surface staining. After 45 minutes, trim excess product using an 8" (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 3/4 GPM. Contact LATICRETE L&M 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.

6. AVAILABILITY AND COST

Availability

L&M™ and LATICRETE® materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at

www.lmcc.com.

Cost

Contact a LATICRETE Distributor in your area.

7. SHORT SPEC

033000 or 033540: Concrete Floor Joints, Interior: All saw cut floor joints and construction joints in the interior concrete floor shall be filled with 100% solids polyurea filler. Shore A shall be 80 or higher. Joint filler shall be installed per ACI 302 and manufacturer's recommendations. Concrete shall cure a minimum of 60 days before installation. By LATICRETE International.

8. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty

DS 200.03: 3 Year Decorative Finish Warranty

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service

Hotline:

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at

www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty

DS 200.03: 3 Year Decorative Finish Warranty