



EPOGROUT 758™

DS-176.9-1214

A product brand of LATICRETE International, Inc.



1. PRODUCT NAME

EPOGROUT 758™

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

EPOGROUT 758 is a three-component, flowable, epoxy-based grout that produces high performance strength and chemical inertness.

EPOGROUT 758 is scientifically formulated with a high aggregate to resin ratio to provide high strength while allowing easy flowable placement. EPOGROUT 758 contains a carefully selected combination of epoxy resins and aggregate fillers which provides beneficial physical properties such as, resistance to chemical and physical degradation, resistance to creep, and excellent adhesion to both steel and concrete. EPOGROUT 758 is a 100% solids epoxy resin base which provides alignment that is precise and permanent for equipment and machinery. EPOGROUT 758 is unaffected by oils, water, most chemicals and develops rapid strength gain to allow quick return of vital equipment to service.

Uses

Using EPOGROUT 758 means trouble-free grout performance. In steel mills use as a foundation grout under crushers, ball mills, rod mills, slab tables, and heavy equipment. In gas transmission companies use in placing compressor engines requiring precise, permanent alignment. Other EPOGROUT 758 applications include: grouting original installations of heavy equipment such as compressors, pumps, engines and other machinery; grouting railroad, subway and crane rails; sole plates and anchor bolts; repairing cracked foundations; in pipelines, sewage plants or other areas where rapid strength and chemical resistance are critical. EPOGROUT 758 is also recommended for encapsulation of columns and piles.

Advantages

- Flowable for easy placement
- Very low peak exotherm
- Fast cure and high early strength
- Low creep/high modulus of elasticity
- Fast turnaround projects
- High compressive strength

Suitable Substrates

- Existing Concrete

Packaging

EPOGROUT 758 is available in a convenient three component unit.
63.5 lb (28.8 kg) Single Unit

- 1 - 6.9 lb (3.1 kg) pail Resin (A)
- 1 - 1.6 lb (0.7 kg) pail Hardener (B)
- 1 - 55 lb (25 kg) bag Aggregate

Approximate Yield (when mixed together)

One unit yields approximately 0.5 ft³ (0.01 m³)

Shelf Life

The unmixed liquid components and aggregate of EPOGROUT 758 must be stored in weather tight warehouses at temperatures above 50°F (10°C). Shelf life is 2 years in factory-sealed containers. EPOGROUT 758 aggregate may be stored indefinitely in a dry environment.

Limitations

- Not recommended for placement below 50°F (10°C)
- Do not apply in standing water or over surfaces not thoroughly cleaned
- Protect surfaces where bond is not desired with two coats of paste wax or plastic sheeting

Cautions

- Consult SDS for more safety information
- Contains epoxy resins
- Unmixed liquid component B is corrosive
- Prolonged exposure to skin may cause irritation, dermatitis or other allergic responses
- Cornea damage can occur from eye contact
- Mix in ventilated area. DO NOT breathe excessive fumes
- Wear protective gloves, goggles and clothing when handling epoxy resins
- Protect finished work from traffic until fully cured
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children

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

Applicable Standard

ASTMC881

CRD-C590

MMM-A-001993, Type 1-C

VOC Compliant

Physical Properties

Property	Observed
Color	Dark Gray
Bond Strength to concrete	100% concrete failure
Bond Strength to steel	2500 psi (17.2 MPa)
Compressive Strength ASTM C 579	8 hour: 3800psi (26.2 MPa) 1 day: 11,200 psi (75.8 MPa) 3 day: 13,000 psi (89.6 MPa) 7 day: 15,000 psi (103 MPa)
Compressive Modulus ASTM D 695	589,600 psi (4065 MPa)
Tensile Strength ASTM D 638	2950 psi (20.3 MPa)
Elongation at break ASTM D 638	0.72%
Flexural Strength ASTM D 790	6600 psi (45.5 MPa)
Heat Distortion Temperature ASTM D 648	136°F (58°C)
Maximum Continuous Service Temperature (for non-load bearing applications)	250°F (121°C)
Coefficient of Thermal Expansion ASTM D 696	18.4 x 10 ⁻⁶ /°F
Effective Bearing Area ASTM C 1339	>95%
Bond to concrete ASTM C 882	>550 psi (3.8 MPa)
Water Absorption % ASTM D 570	0.25%
Average Working Time	45 min
Creep ASTM C1181	@ 600 psi (4.1 MPa) and @ 150°F (65°C) 7.09 x 10 ⁻³ in./in. (cm/cm)

Working Properties

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

Surface preparation: Clean surface of oil, grease, dirt, laitance and loose material, down to sound concrete. Metal surfaces are to be free of rust or other foreign material. Clean bolt holes, bolts and the underside of bed plates. After roughening the concrete surfaces, saturate the surfaces and bolt holes with water for 24 hours prior to grouting.

Forming: Construct a rigid, watertight form around the bearing plate or object to be grouted. Form elevation should be approximately one vertical inch higher than the highest point to be grouted. On large pours a form sloped at a 45° angle or "head box" should be employed to facilitate placement. Side and end forms should be positioned at least 1" from the bearing plate or equipment base. Placement side form should be at least two inches from the object to be grouted. Do not place grout in large, unsupported open areas.

Mixing instructions: Stir each liquid component separately before blending. The materials are all premeasured. Pour all of A into mechanical mixer and then add B while mixing slowly and well. Slowly add aggregate with continued mixing until all aggregate is uniformly coated and proper consistency is achieved. To increase the flowability, reduce the amount of aggregate. The lower the quantity of aggregate, the greater will be the flowability. The minimum aggregate content is 90% of the total aggregate in the unit. Do not add solvent. To reduce air entrapment caused by mixing, run mortar mix until all aggregate is uniformly coated but no more than 5 minutes.

Placing: Fill anchor bolt holes and block-outs first. For flat baseplates, pour from one side. Prevent air entrapment. Rods, pre-placed straps, and other tools will assist in moving the grout. Use a wooden head box for large pours. EPOGROUT 758™ should be placed a minimum of 3/4" (19 mm) thick and a maximum of 8" (203 mm). At thickness over 2" (50 mm), use full aggregate loading. Periodically wipe trowel or tools with solvent to reduce drag.

Finishing and Clean-Up: Clean tools with soap and water or lacquer thinner before EPOGROUT 758 hardens. Clean mixing equipment by running dry aggregate with soap and water or lacquer thinner in mixing drum for a few minutes. Clean hands with abrasive hand soap.

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. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty

8. MAINTENANCE

LATICRETE® and LATAPOXY® grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

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