



PERMACOLOR® Grout

A high performance, fast setting grout that provides a grout joint that is dense and hard. PERMACOLOR Grout is color consistent. Mix only with water.



ADVANTAGES



- Consistent color & Fast setting
- Mixes with water only
- Ideal for floors & walls (joint widths of 1.5 to 12mm)
- Equipped with anti-microbial technology.
- Improved stain resistance for a cement-based grout.

MANUFACTURER

LATICRETE Middle East LLC.
 P.O. Box. 86028, Ras Al Khaimah
 United Arab Emirates
 Toll Free (with in UAE) 800 5632
 Telephone: + 971 7 244 6396
 Fax: + 971 7 244 5915
www.laticrete.me

USES

- Ceramic tile, glass tile and stone
- Residential and commercial
- Interior and exterior
- Floors and walls
- Ideal for re-grouting applications
- Swimming pools, fountains, and other wet area applications

STANDARDS / CERTIFICATIONS

Conforms to ISO 13007
 and EN 13888 (CG2WA) &
 Meets ANSI A118.6 &
 A118.7 requirements.



**DCLD & GREENGUARD
 CERTIFIED**

(Please see the technical data)

Packaging

5 kg pouch – 4 pouches per carton, 36 cartons per pallet
 1 kg pouch - 10 pouches per carton, 68 cartons per pallet
 10 kg bags, 130 bags per pallet

Color: Available in 40 colors.



Scan QR for most recent color chart / visit www.laticrete.me.

Suitable Substrates

- Concrete
- Tile over tile.
- Cement plaster
- Concrete masonry
- Cement mortar bed
- Brick
- Gypsum board
- Glass

Approximate Coverage M² / per 10Kg bag

TILE SIZE Length x Width x Thickness	JOINT WIDTH			
	3 mm	4 mm	5 mm	6 mm
200 x 200 x 8 mm	21.90	16.40	13.20	11.00
450 x 450 x 10 mm	39.50	29.60	23.70	19.70
600 x 600 x 10 mm	52.60	39.50	31.60	26.30
600 x 600 x 20 mm	26.30	19.70	15.80	13.20

NOTE: Calculated coverage indicated is approximate, based on "nominal" tile size and is provided for purposes of estimation only. Actual coverage will vary depending on job site conditions, actual tile size and installed grout joint size. Use of sufficient thin set reduces grout requirement. Add 10% for waste, spillage and clean-up with ceramic tile and another 10% – 15% when grouting unglazed quarry tile.

Shelf Life

- Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored off the ground in a dry area.) **High humidity will reduce the shelf life of bagged product.**
- **For 5 kg and 1 kg pouch the shelf life is 18 months.**

Limitations

- *Adhesives/mastics, mortars and grouts for ceramic tile, pavers brick and stone are not designed as replacements for waterproofing membranes. When a waterproof membrane is required, use a LATICRETE*

Waterproof Membrane.

- Use 2000 Industrial Epoxy Grout when chemical resistance is required.
- DO NOT use acid to clean colored grout joints.
- Job site conditions will affect the final color of colored grouts. Try a small test area to determine your results before grouting the entire installation.
- Certain types of tile are more absorbent than others and will trap color pigment during grouting. Prior to grouting, test for absorption of color pigment. Porous tiles will need to be sealed prior to grouting. Test polished porcelain tiles for staining prior to use.
- Selecting Other Grouting Materials: LATICRETE has grouting materials designed for every use. For installations that require high strength and chemical resistance choose SpectraLOCK 2000 IG or LATAPOXY® SP-100. This product is ideal for installations where a stain resistant colorfast grout is desired.

Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L = span length. See TDS1011 for more details.

Cautions

Consult MSDS for more safety information.

- During cold weather, protect finished work from traffic until fully cured.
- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Grout may scratch soft glazed or polished surfaces. Conduct a test area to verify results.
- In immersed applications or steam rooms allow PERMACOLOR Grout to cure for 14 days at 21°C before use of area. See TDS1006 for more information on these applications.
- Keep out of reach of children.

TECHNICAL DATA

Certification:

GREENGUARD (LATICRETE International Inc.):

This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.

DCLD: This product has been certified for Low Emitting Materials by Dubai Central Laboratory Department (DCLD) of Dubai Municipality. No.CL20020733: 2017 Al Sa'fat Dubai Green Building Evaluation System.

Working Properties

Tensile Strength (28 Days)	3.5 MPa
Compressive Strength (28 Days)	31.0 MPa
Flexural Strength (28 Days)	8.62 MPa
Linear Shrinkage (7 Days)	0.0450 %
Water Absorption (28 Days)	4.25%
Pot Life	45–60 min at 21°C
Final Set	3 – 4 hrs
Heavy Foot Traffic	6 hrs

Physical Properties

Test	Test Method	ISO 13007-3 CG2WA Specification	Results
28 Day Cure Abrasion Resistance	ISO 13007-4 4.4	Less than or equal to 1000 mm ³ (0.061 in ³)	121–132 mm ³ (0.0074–0.0081 in ³)
28 Day Cure Flexural Strength	ISO 13007-4 4.1.3	Greater than 2.5 MPa (362 psi)	8.5–9.2 MPa (1226–1340 psi)
6 Day 21 Day Water Soak 25 Freeze/Thaw Cycle Flexural Strength	ISO 13007-4 4.1.3	Greater than 2.5 MPa (362 psi)	3.31–3.79 MPa (480–550 psi)
28 Day Cure Compressive Strength	ISO 13007-4 4.1.4	Greater than 15 MPa (2175 psi)	35.7–36.8 MPa (5176–5339 psi)
6 Day 21 Day Water Soak 25 Freeze/Thaw Cycle Compressive Strength	ISO 13007-4 4.1.4	Greater than 15 MPa (2175 psi)	30.4–31.2 MPa (4408–4518 psi)
28 Day Cure Shrinkage	ISO 13007-4 4.3	Less than 3 mm/m (0.12 in./3.28 ft)	0.51–0.62 mm/m (0.02–0.024 in/3.28 ft)
28 Day Water Absorption Soaked 30 Minutes	ISO 13007-4 4.2	Less than 2 g (0.0044 lb)	0.09–0.14 g (0.0002–0.0003 lb)
28 Day Water Absorption Soaked 240 Minutes	ISO 13007-4 4.2	Less than 5 g (0.011 lb)	0.54–0.7 g (0.0012–0.0015 lb)

Specifications subject to change without notification.
Results shown are typical but reflect test procedures used.

Actual field performance will depend on installation methods and site conditions.

INSTALLATION

Surface Preparation

Before starting to grout, remove spacers and debris in grout joints and remove dust and dirt using a wet sponge. Do not leave water standing in joints. Note: when grouting in hot weather refer to TDS 176 Hot Weather Tiling and Grouting. Substrate temperature must be between 4°C and 32°C. Apply grout release or sealer if necessary. Refer to TDS 400 Grout Guide for more information on grouting.

Mixing: Use approximately 1.5 L – 1.9 L of clean potable water for per 10kg of PERMACOLOR Grout. Do not use with 1776 Grout Admix Plus or any other latex additive. Place water in a clean mixing container and add grout powder. Mix with a slow speed drill mixer (300 rpm) for 1 minute. Wait for 5 minutes and remix with drill for 1 minute.

Application: Clean tile surface with a damp sponge. Spread with a sharp, firm rubber grout float or wall float for narrow wall joints. To remove excess grout hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints to avoid pulling out the material.

Note: If the grout begins to stiffen during installation, remix with drill mixer for 10–15 seconds. DO NOT ADD MORE WATER.

Cleaning: Wait 35 – 40 minutes at 21°C. For wider joints or cooler temperatures wait longer (25 – 30 minutes) Begin initial cleaning by lightly wiping down entire area to be cleaned with a damp sponge. Wash with a damp sponge (not wet). Work diagonally to the joints. Allow to dry 3 hours at 21°C. For second cleaning use a damp sponge or dry cloth to remove remaining grout haze.

Note: Use caution when polishing soft glazed tile or polished stone. If grout is to be sealed, LATICRETE® generally recommends waiting a minimum of a 48 hours at 21°C prior to sealing PERMACOLOR® Grout[®] or any other cement-based grout; however, we suggest deferring to the written recommendations of the sealer manufacturer to make the final determination, as certain sealers may require the cement grout to cure for an extended period of time.

AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE Telephone: For on-line distributor information, visit www.laticrete.com

Cost: Contact a LATICRETE® closer distributor to obtain complete information and cost.

WARRANTY

The supplier warrants this product will not deteriorate under normal conditions and use, the warranty validity of one (1) year. The product subject to the terms and conditions stated in the LATICRETE® Product Warranty. Please consult our technical support for further information

TECHNICAL SERVICES

Technical assistance

For information contact:

enquiry@laticrete.me

Technical and safety literature

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

MAINTENANCE

LATICRETE and LATAPOXY® grouts require routine cleaning with a neutral pH soap and water. Contact the cleaner manufacturer if another cleaner type will be used to ensure compatibility with the grout. Installation performance and durability may depend on properly maintaining products supplied by other manufacturers. Routine maintenance can be done with detergents and a sponge or mop. For tough or difficult to remove soil, a bleaching cleaner (e.g. Soft Scrub, Comet, Ajax, etc. or electric dish washing detergent) on a nylon scrubbing pad or a long handled stiff bristle brush can be used. Please note: Prior to using any cleaning material on a tile, etc. installation, test a discrete area or scrap piece of tile to ensure desired results. For additional information, please refer to the LMEA Grout Guide.

Warning: The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.