



LATAPOXY® 210 GROUT

DS-6300-0724

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

LATAPOXY® 210 GROUT

2. MANUFACTURER

LATICRETE Europe S.r.l. a socio unico

Via Paletti, snc, 41051

Castelnuovo Rangone MO, Italy

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3. PRODUCT DESCRIPTION

LATAPOXY® 210 GROUT is a modified emulsion epoxy-cement designed for the grouting of tile on most sound, clean surfaces. LATAPOXY 210 GROUT is a factory proportioned kit consisting of epoxy resin and hardener, and pre-blended Portland cement and silica sand powder.

Uses

- For interior and exterior use
- For installation and grouting of ceramic tile, porcelain tile, and quarry tile over most sound, clean surfaces
- For commercial and industrial installations
- Use where projects must resist physical abuse, shock and mild chemicals

Advantages

- High bond strength and great workability
- Economical option with mild chemical resistance
- Easy to use — water cleanable
- Non-toxic and non-flammable — safe, better for you and the environment

- Water-based and solvent-free — does not emit an unpleasant odour during application
- Great colour consistency over time — high stain resistance
- Modified emulsion epoxy-cement — superior performance, exceeds EN 13888 CG2WA cement grout standards

Suitable Substrates

- Glass Tile
- Ceramic Tile
- Quarry Tile
- Porcelain tile

Packaging

• 24-S-210AB-NC-04

LATAPOXY® 210 GROUT resins

Part A: 1 kg

Part B: 1 kg

• 210G-T

LATAPOXY® 210 GROUT aggregate (grey only)

Part C: 25 kg per bag

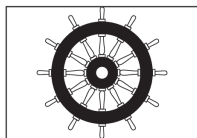
Limitations

- For veneer installations using this product, consult local building code requirements regarding limitations and installation system specifications.
- DO NOT use below 40°F (4°C).
- For maximum chemical resistant grout, use SPECTRALOCK 2000 IG.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane (see Section 10 FILING SYSTEMS). 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 (except where local building codes specify more stringent deflection requirements)

Cautions

- Consult MSDS for more safety information.
- During cold weather, protect finished work from traffic until fully cured.
- Until cured, LATAPOXY® 210 GROUT may irritate eyes and skin. Avoid contact with eyes and or prolonged contact with skin. In case of contact, flush thoroughly with water.
- 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.
- Wait 14 days after the final grouting period before filing water features with water at 21°C.
- 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.

4. TECHNICAL DATA



Applicable Standard

- EN 13888 CG2WA

Physical Properties

Basis:	epoxy resins, cement, aggregates, additives		
Colour:	grey		
Apparent Density:	A: 1,1 g/cm ³ ; B: 1,1 g/cm ³ ; C: 1,3 g/cm ³		
Maximum grain Size:	0.5 mm		
Flammability:	no		
Classification EN 13888:	CG2WA		
	Value	Requirements	Test Method
Abrasion Resistance:	~ 180 mm ³	≤ 1000 mm ³	EN 12808-2
Flexural Strength after Dry Storage:	~ 14 N/mm ²	≥ 2.5 N/mm ²	EN 12808-3
Flexural Strength after Freeze-Thaw Cycles:	~ 12 N/mm ²	≥ 2.5 N/mm ²	EN 12808-3
Compressive Strength Dry Storage:	~ 40 N/mm ²	≥ 15,0 N/mm ²	EN 12808-3
Compressive Strength after Freeze-Thaw Cycles:	~ 35 N/mm ²	≥ 15,0 N/mm ²	EN 12808-3
Shrinkage:	~ 1,0 mm/m	≤ 3 mm/m	EN 12808-4
Water Absorption after 30 Minutes:	~ 0,2 g	< 2 g	EN 12808-5
Water Absorption after 240 Minutes:	~ 0,8 g	< 5 g	EN 12808-5

Working Properties

Consistency:	Creamy paste
Wet Density:	1,65 g/cm ³
Pot Life:	~60 minutes
Application Temperature:	From +7°C to +32°C
Mixing Ratio:	3 Part A : 3 Part B : 1 Part C
Time to Foot Traffic:	24 hours
Time to Full-Service Conditions:	7 days*

(at 23°C / 50% RH)

*for maximum resistance

Chemical Resistance

Reagent Type	Intermittent [^]	Constant ^{^^}
Citric Acid 10%	R	R
Sulfuric Acid 1%	R	R
Hydrochloric Acid 1%	R	R
Lactic Acid 5%	R	NR
Vinegar	R	R
Acetic Acid 10%	R	NR
Phosphoric Acid 5%	R	R
Sodium Hydroxide 10%	R	R
Sodium Chloride 10%	R	R
Concentrated Detergents	R	NR
Ammonium Hydroxide	R	R
Sugars	R	R
Gasoline	R	NR
Cooking Oils	R	R
Turpentine	R	R
Mineral Spirits	R	R
Toluene	NR	NR
Xylol	NR	NR

[^] Intermittent is less than 3 days exposure.

^{^^} Constant is 1 month exposure.

R = Recommended

NR = Not Recommended

Chemical resistance determined in accordance with ASTM C267–1982.

NOTES TO SPECIFIER: Use the constant exposure recommendations for intermittent exposure to reagents at temperatures above 90°F (32°C).

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.

5. INSTALLATION

Surface Preparation

Ensure the tile surface has no residual film from adhesive setting material. The use of a topical sealer or grout release applied to unglazed porcelain tile,

abrasive, non-slip or rough textured tiles or porous tile or stone surfaces before grouting will facilitate cleaning.

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. Surface temperature range for installation must be above 40°F (4°C) and less than 95°F (35°C).

Note: Temperature will effect working properties of LATAPOXY 210 GROUT. Warm temperatures will speed curing and shorten working time. Cool temperatures will slow curing and require longer time to traffic. Store LATAPOXY 210 GROUT at 21°C for 24 hours prior to use.

In the marine sector

Product description: modified epoxy sealant

Mass per area: 850 g/m²

Area of application: as an adhesive. As a finishing material for all exposed surfaces. As a finishing material, the product can be applied to any non-combustible substrate with a thickness of 20 mm or more and a density \geq 800 kg/m³.

Mixing

Shake LATAPOXY® 210 GROUT Part A and Part B well before using. Pour 3 pouches of Part A and 3 pouches of Part B into a clean mixing pail and mix thoroughly. Add 25 kg of Part C Filler Powder and mix to a smooth, trowelable consistency. Allow mortar to slake for 3–5 minutes. Remix and apply with the proper sized notched trowel for tile installation or rubber grout float for grouting.

Application

After surfaces are cleaned, allow to dry thoroughly before grouting. Spread grout using a sharp edged, firm rubber grout float. Work the grout diagonally across the joints, packing them full. “Cut” excess grout off the tile surface using the edge of the float held at a 90° angle like a squeegee, stroking diagonally to avoid pulling grout out of filled joints.

Cleaning

Clean tools and tile work with water while material is fresh.

Once grout has been spread, wait approximately 30–45 minutes before cleaning. Sprinkle cold water on the floor and clean with a Scotchbrite® sponge in circular motion.

Wipe grout joints and tile surface in a light circular motion, loosening grout residue while making the joints smooth. Drag a clean sponge diagonally over the scrubbed surfaces to remove grout residue. Rinse sponge after every pass; use each side of sponge only once between rinsing. Discard sponges when they become “gummy” with residue. Check work as you clean. Repair any low spots with additional grout.

6. AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE Europe S.r.l. a socio unico:

+39 059 535540

info@laticreteurope.com

For on-line distributor information, visit www.laticrete.eu.

Cost

Contact LATICRETE Europe S.r.l. a socio unico to obtain complete information and cost.

7. WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Services for further information. See 10. FILING SYSTEM:

- 1 Year Product Warranty

8. MAINTENANCE

LATICRETE® and LATAPOXY® are products of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending on the cleaning products used.

LATICRETE recommends using STONETECH® surface products to protect, clean and enhance stone, masonry, tile and grout surfaces. Use STONETECH® EPOXY GROUT HAZE & COATING STRIPPER for epoxy film/haze that has cured on tile surface and is difficult to remove.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:

+39 059 535540

technicalservices@laticreteurope.com

Technical and Safety Literature

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

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE® products should 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.

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as expressly indicated in the product data sheets, documentation, or applicable technical documentation.