P800

DS-8000-0422

Globally Proven Construction Solutions

1. PRODUCT NAME
P800

2. MANUFACTURER
LATICRETE Europe S.r.l. a socio unico
Via Paletti, snc, 41051
Castelnuovo Rangone MO, Italy
    Telephone: +39 059 535540
    Email: info@laticreteeurope.com
    Website: **laticrete.eu**

3. PRODUCT DESCRIPTION
P800 is a special blend of binders and lightweight aggregates designed for use with 200 MORTAR ADMIX to produce lightweight screeds with high mechanical strength. It is IMO-MED certified and ideal for decks of ships, yachts, and boats due to its reduced weight and improved mechanical strength.

Uses
- Interior
- To finish concrete or steel, or level uneven floor surfaces
- Ideal for tile installations on decks of ships, yachts, and boat

Advantages
- Lightweight mortar equal to one third of traditional cement screeds
- High mechanical strength
- Great workability, safe and easy to apply
- Fortified with 200 MORTAR ADMIX for superior performance
- IMO-MED certified

Suitable Substrates
- Steel
- Concrete
- Existing Ceramic Tile
- Wood

Packaging
12.5 kg; 60 bags per pallet

Approximate Coverage / Consumption
6-8 kg/m^2 per cm of thickness

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.

Limitations
- For interior use only.
- DO NOT mix P800 with other binders.
- DO NOT apply P800 under direct sunlight during summer.
- DO NOT apply over heated surfaces.
- For installation over steel or existing tiles, use with a slurry bond coat of 8510 BONDING ADMIX and 211 POWDER.
- Protect screed from foot traffic until tile or stone is installed.
- For thickness over 4 cm, use welded mesh (20x20cm, 4 mm).
- Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes and impact loads, including concentrated loads expected during the installation.

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. Wear gloves and goggles during mixing and application of the product. 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.
- Keep out of reach of children.

4. TECHNICAL DATA

IMO / MED

LIGHT WEIGHT

Applicable Standard
- EN 13813 CT-C7-F3-A1
- IMO-MED certified
- ISO 9001:2015 Quality Management System

Physical Properties

P800 mixed with diluted 200 MORTAR ADMIX

EN 13813 Classification:	CT C7 F3	
Reaction to Fire (EN 13501-1):	F	
Basis:	Cement, aggregates, additives	
Density at 28 days:	~ 600 kg/m³	
	Value	**Test Method**
Compressive Strength (7 days):	~ 5,5 N/mm²	EN 13892-2
Compressive Strength (28 days):	~ 7,5 N/mm²	EN 13892-2
Flexural Strength (28 days):	~ 3.0 N/mm²	EN 13892-2

Working Properties

P800 mixed with 200 MORTAR ADMIX

Consistency:	Semi fluid, plastic
Wet Density:	~ 700 kg/m3
Mix Ratio:	50-55% 6.65 L of liquid per 12.5 kg bag *(3 parts of water : 1 part of 200 MORTAR ADMIX)*
Application Temperature:	+5°C to +30°C
Working Time:	25-30 min
Minimum Thickness:	1 cm per coat
Maximum Thickness:	5 cm per coat
Time to Foot Traffic:	24-36 hours
Time to Tile Install:	24-48 hours

(at 23°C and 50% R.H.).

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
Surfaces must be free of oils, release agents, rust, oxides and any contaminant that can affect adhesion.

- **For installation over steel or existing tile**, apply a bond coat of 8510 BONDING ADMIX mixed with 211 POWDER to steel prior to the application of P800. Apply the slurry bond coat directly on the steel plate. P800 must be applied over wet bond coat.

Expansion joints
Always maintain expansion joints from the substrate through the floor finish. Follow the industry or local recommendations, such as UNI 11493-1: 2016, ANSI Specification A108.01-3.7 "Requirements for Movement joints: Preparations by Other trades" and details TCA EJ-171 "Movement joints – Vertical & Horizontal" for the positioning and sizing of the joints. Do not cover expansion joints with cement mortar.

Mixing
Must be fortified with 200 MORTAR ADMIX water-latex blend. For use, prepare a mixture of water and 200 MORTAR ADMIX 3: 1 (3 parts of water and 1 part of 200 MORTAR ADMIX). Add P800 powder to the water and latex mixture, using 6.65 L of liquid per 12.5 kg P800 bag. Mix with a cement mixer or a planetary mixer for at least 5 minutes, making sure that the final mixture is homogeneous and smooth.

Application

Always provide for perimeter joints and joints along any vertical surface using a 4 to 8 mm thick strip of compressible material, such as polystyrene, cork, etc.

Once level indicators are positioned, the screed mortar must be poured, spread and tamped evenly and thoroughly. Then level the mortar with suitable leveling bars or squeegees. Smooth with a steel trowel until surface is sufficiently smooth and closed.

- **For thickness over 4 cm, use welded mesh (20x20cm, 4 mm Ø):** welded mesh should be inserted in the middle of screed
- **If there are pipe penetrations,** the screed must include light reinforcement (i.e. fine galvanized mesh) and be at least 2 to 3 cm thick above the pipes.

Cleaning

Clean tools with water and soap while mortar is fresh.

Installation of Tiles

Installation of the tile finish can begin approximately 24-48 hours after application of P800 (at 23°C and 50% R.H.). Only use small format tiles (longest side should be <20 cm) installed with at least 3 mm joints. Do not install tiles directly next to each other, with no joint. Use a LATICRETE® single or two-component cementitious adhesive for tile and stone installation.

- **For naval or marine applications**, we recommend installing tile and stone using a two-component, flexible latex fortified cement adhesive system such as 4237 LATEX ADDITIVE + 211 POWDER or 73 CRETE ADMIX + 211 POWDER, and then grouting with an epoxy grout such as LATAPOXY® 210 GROUT or SPECTRALOCK® PRO PREMIUM GROUT.

Cold Weather Installation Note: The drying and curing of Portland cement based products may be delayed at low temperatures. Protect finished work for extended periods. Do not use the products when the ambient temperature is below 5°C and/or the substrate is at risk of freezing.

Hot Weather Installation Note: The drying and curing of Portland cement based products may be accelerated at high temperatures and low humidity. Apply product on moistened surfaces and protect finished work to minimize risk of rapid evaporation.

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@laticreteeurope.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:

- DS 230.13EU: 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 of the cleaning products used.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:
+39 059 535540
technicalservices@laticreteeurope.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.

10. FILING SYSTEM

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

- DS230.13EU: 1 Year Product Warranty