



# P800

DS-8000-0421

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

P800

## 2. MANUFACTURER

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## 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
- Ceramic Tile
- Wood

### Packaging

12.5 kg; 60 bags per pallet

### Coverage / Consumption

6-8 kg/m<sup>2</sup> 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



#### Applicable Standard

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

#### Physical Properties

Classification EN 13813	CT-C7-F3
Reaction to Fire:	A1fl
Basis:	Cement, lightweight aggregates, additives
Colour:	White
Compressive Strength (EN13892-2):	≥7 MPa
Flexural Strength (EN13892-2):	≥3 MPa

#### Working Properties

Consistency:	Semy fluid, plastic
Wet Density:	600+-10% ( kg/m3)
Mix Ratio:	50-55% (6.65 L of liquid per 12.5 kg bag)
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.:

+39 059 535540

[info@laticreteurope.com](mailto:info@laticreteurope.com)

For on-line distributor information, visit [www.laticrete.eu](http://www.laticrete.eu).

### Cost

Contact LATICRETE EUROPE S.r.l 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:

- DS230.13EU: 1 Year Product Warranty (EN)

## 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@laticreteurope.com](mailto:technicalservices@laticreteurope.com)

### Technical and Safety Literature

To obtain technical and safety literature, please visit our website at [www.laticrete.eu](http://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](http://laticrete.eu). The following is a list of related documents:

- DS230.13EU: 1 Year Product Warranty