



# 2261 BINDER

DS-65438I-0124

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

2261 BINDER

## 2. MANUFACTURER

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## 3. PRODUCT DESCRIPTION

Hydraulic binder for rapid drying, controlled shrinkage, normal setting screeds, for indoor and outdoor use.

### Uses

- Hydraulic binder consisting of a mix of cements and thermofluidifying additives developed for mixing with sand and water on the construction site to make rapid drying, controlled shrinkage screeds.
- Can be used for preparing floating and bonded screeds.
- Ceramic and terracotta tiles and natural stone can be laid after just 24 hours with no risk of shrinkage-induced cracking
- Suitable for preparation of heating screeds and/or cooling screeds covering electrical or water systems.

- Suitable for subsequent installation of parquet or resilient or woven floorings about 7 days after laying of the screed

### Advantages

- Single-component
- Anti-cracking
- Rapid drying
- Same pot life times as cement
- Suitable for heating screeds

### Permitted subfloors

- Concrete
- Old tiles and stone

### Packages

20 kg

### Yield / Consumption

2 - 3.5 kg/m<sup>2</sup> per cm of thickness

### Shelf life

12 months

### Limitations

- Do not apply on damp cement subfloors or in case of rising damp
- Do not use on surfaces subjected to heavy foot traffic without the installation of ceramic or stone tiles

### Attention

- Temperature of use from + 5°C to + 30°C
- An electrowelded mesh should be inserted halfway through the depth of the screed in case of uneven subfloors, subfloors with poor mechanical strength or presence of dynamic or concentrated loads. Mesh density must be suitable for the screed's operating conditions
- Use the specified amount of water: too little water prevents effective compacting of the mix and impairs mechanical strength, too much increases the screed's hydraulic shrinkage and extends its drying times
- Do not add water to a product that has already started to set to facilitate spreading

- Do not expose the screed to draughts or direct sunlight during the first few hours after installation
- Before installing parquet, resilient floorings or similar materials, check that the residual humidity, measured with a carbide hygrometer, is below 2%
- The minimum screed depth required may be higher than specified depending on the intended use and the compressibility of the substrates.

#### 4. TECHNICAL DATA

##### Physical properties

The stated data are purely guideline and refer to the doses for a cubic metre of dry aggregates (assorted diameter 0-8 mm). The characteristics of the aggregates, the water content and the degree of compacting of the screed considerably affect the screed's final mechanical properties.

Consistency:	Powder
Colour:	Grey
Apparent density:	880 kg/m <sup>3</sup>
Compressive strength (24k):	> 8 N/mm <sup>2</sup>
Compressive strength (7 days):	> 22 N/mm <sup>2</sup>
Compressive strength (28 days):	> 30 N/mm <sup>2</sup>
Bending strength (28 days):	> 6 N/mm <sup>2</sup>
Resistance to alkalis;	excellent
Resistance to solvents:	excellent
Resistance to oils:	excellent (not vegetable oils)
Resistant to temperatures:	from -30°C to +90°C

##### Processing characteristics

The stated data are purely guideline and refer to the doses for a cubic metre of dry aggregates (assorted diameter 0-8 mm). The characteristics of the aggregates, the water content and the degree of compacting of the screed considerably affect the screed's final mechanical properties.

Recommended mix ratio:	200-250 kg per 1 m <sup>3</sup> of aggregates + 110-130 l of water
	1 bag per ~150 kg of aggregates + ~10 l of water
Density of mix:	2130 kg/m <sup>3</sup>
Mixing time:	5-10 minutes
Pot life:	> 60 minutes
Application temperature:	from +5 °C to +35 °C
Walkability:	~ 12 hours
Delay for installing ceramic tiles:	~ 24 hours
Delay for installing stones or bricks:	~2 days
Delay for installing resilient floorings and parquet:	~4 days
Residual humidity after 24 hours:	~3%
Residual humidity after 4 days:	<2%

Suitability for installation after measurement of residual humidity with carbide hygrometer; with lower temperatures and higher humidity, drying times are longer.

These technical data were measured in standard laboratory conditions and may be subject to change without notice. The actual performance of the product depends on the applicative conditions of the site, the method of installation used and the type of covering.

#### 5. APPLICATION

##### Application

The doses and mixing procedures follow the methods used for traditional sand and cement screeds and application follows the usual phases: placing of strips to mark the final level; spreading and compacting of the mix; levelling with a float and final smoothing with a trowel or mechanical equipment.

##### Preparation

###### Bonded screed

The screed can be applied glued in a thickness of at least 2-3 cm on subfloors free from dust, oils and greases and preferably with residual humidity of less than 2% to avoid extending the screed's drying times.

###### Unbonded screed

The screed can also be applied floating in a thickness of at least 4 cm. This is done by applying a sheet of polyethylene to separate the screed from the subfloor, overlapping the edges by at least 25-30 cm around the

edge of the room and around any raised parts. Then apply a strip of compressible materials (polystyrene, cork, etc.) from 4 to 8 mm thick.

#### Preparation

Mix the product with water and sand using the normal equipment (cement mixer, mixing pumps) or by hand. Mix thoroughly with sand of varying particle size (with maximum diameter of 8 mm) and clean water for about 5 minutes, until a “damp soil” consistency is obtained. The mix must be poured, spread, compacted and levelled with a float in the shortest possible time, bearing in mind that the pot life is about 1 hour.

## 6. AVAILABILITY AND COSTS

### Availability

Laticrete® products are available worldwide. To know the name of your nearest dealer, contact LATICRETE EUROPE S.r.l.

+39 059 557680

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

For information about the distributor online,

[www.laticrete.eu](http://www.laticrete.eu)

### Costs

Contact your nearest LATICRETE EUROPE S.r.l. product dealer to obtain full information about the costs.

## 7. WARRANTY

The vendor guarantees that the product will not deteriorate under normal conditions of use. Warranty is valid for one (1) year. Contact Technical Support for further information. See 10.

DOCUMENTATION:

- 1 year of product warranty.

## 9. TECHNICAL SERVICES

### Technical support

For information, contact Technical Service:

+39 059557680

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

### Technical and safety related literature

To obtain technical and safety related literature, visit our website: [www.laticrete.eu](http://www.laticrete.eu).

### Warnings

The information and instructions given in this Technical Data Sheet, although based on knowledge acquired over years of applications, are to be considered merely as a guide.

LATICRETE®, not being able to control the product installation conditions and application methods directly, cannot be held liable for anything deriving from their installation. Anyone wishing to use LATICRETE® products must perform appropriate site tests to determine suitability for the intended use.

Our products are covered by warranty within the limits of our general conditions of sale and within the limits of the correspondence of our products with the technical specifications and applicable certifications, as explicitly stated on the product data sheets or in the applicable technical documentation expressly supplied by us with the products themselves.

## 10. DOCUMENTATION

Further information about the product is available on our Website [laticrete.eu](http://laticrete.eu).