



# BAUMENT 200L

Admixture for the enhancement of cement-based mortars

- ▶ **Provides flexibility to cement based adhesives & mortars**
- ▶ **Increases the bonding strength**
- ▶ **Increases the tensile and flexural strength**
- ▶ **Reduces the required amount of water**
- ▶ **Prevents cracks**

## Description

BAUMENT 200L is a water-based emulsion that is APEO-free and is intended as an air entraining/plasticizing admixture for cementitious mortar. It prevents aggregate separation by increasing their thixotropy. It has increased tensile and flexural strengths at the same time.

## Certifications

Meets the requirements claimed by EN 934-3 Table 2, as an air entraining/plasticizing admixture for masonry mortar with Declaration of Performance (DoP) C04150-CPR-2050801 certified by notified body 1128 and issued the certificates of conformity of the factory production control No. 1128-CPR-0764. Meets REACH legislation requirements (without APEO).

## Uses

BAUMENT 200L can be used as an additive in:

- Plasters and coatings to increase elasticity and mechanical strength
- Cementitious mortars to increase adhesion and abrasion
- Cementitious tile adhesives and grouts to increase mechanical properties and performance

## Technical Data

### Product Identity

Form	Liquid
Color	White
Chemical substance	Water dispersion
Density	1,0 ± 0,1 kg/L

### Final Performance in accordance with EN 934-3, Table 2

	Performance	Requirement	Method
Consistence mm	43	Reference sample $\pm$ 3 mm	EN 1015-4
Reduction in water requirement for standard consistence	12,5% w/w	$\geq$ 8 % w/w	EN 480-13
Air content after standard mixing	A1 = 16 % v/v	$17 \pm 3$ % v/v	EN 1015-7
Air content after 1 h standing	15%	$\geq$ A1 - 3 %	EN 1015-7
Air content after extended mixing	17,5%	$\leq$ A1 + 5 % and $\geq$ A1 - 5 %	EN 1015-7
Compressive strength	$\geq$ 70 % of reference sample	$\geq$ 70 % of reference sample	EN 12390-3

## Application Procedure

### Preparation of the substrate

The substrate should be solid, absorbent, and clean, with no loose particles, release agents, oil, waxes, paint, or other substances that could interfere with adhesion. Cementitious substrates must be saturated to avoid stagnant water.

### Preparation of the mix

#### Coatings

As an enhancing additive for cementitious plaster, BAUMENT 200L improves adhesion to the substrate, reduces water requirements for stable consistency according to EN 480-13, increases resistance to atmospheric agents, and increases tensile strength.

The first scratch coat layer serves as an adhesion mortar, ensuring that the subsequent layers are mechanically anchored to the substrate. The basic filling layer is then enhanced with BAUMENT 200L solution with water, followed by the final coat, depending on the project requirements. Leveling and application can be done manually or mechanically.

1st layer of coating (scratch coat)

Dry mortar: cement and sand (0 - 4 mm), 1: 1

Mixing liquid: BAUMENT 200L and water, 1: 2 - 4 (depends on the moisture content of the sand)

Mixing liquid to dry mortar, 1: 3,5 - 4,5

2nd layer of coating (base coat)

Dry mortar: cement and sand (0 - 2 mm), 1: 3 - 4

Mixing liquid: BAUMENT 200L and water, 1: 2 - 4 (depends on the moisture content of the sand)

Mixing liquid to dry mortar, 1: 4

### **Cement mortars with abrasion resistance**

As a cementitious enhancing additive, BAUMENT 200L provides mechanical strength, adhesion, and abrasion resistance. The granularity of the aggregates must be appropriate for the thickness of the mortar. Their maximum granulation, with a limit of 8 mm, should be 1/3 the thickness of the mortar.

Dry mortar: cement and sand, 1: 2 - 4

Mixing liquid: BAUMENT 200L and water, 1: 3 - 5 (depends on the moisture content of the sand)

Mixing liquid to dry mortar, 1: 7 - 8

### **Enhancing admixture for tile adhesives and grouts**

BAUMENT 200L is added to tile adhesives and grouts for applications requiring increased mechanical strength, elasticity, adhesion to the substrate, and abrasion resistance. Replace the water needed for the tile adhesive or grout mixture with BAUMENT 200L and water in a 1: 1 to 1: 2 ratio.

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## **Recommendations**

- Stir well the recipient before use
- BAUMENT 200L should not be added directly to dry mortar. Dilute initially with a suitable amount of water and add this solution to the final mortar
- Do not use BAUMENT 200L in temperatures lower than +5°C and higher than +35°C
- For coatings and mortars produced with BAUMENT 200L apply the same placement and maturing rules as for conventional ones
- Do not use BAUMENT 200L in order to create monolithic adhesion between new and old concrete (use EPO FLUID).
- The above-mentioned mixing ratios should be taken as indicative. The consumption of BAUMENT 200L may vary depending on the application, the type, the grain composition and the relative humidity of the aggregates.
- It is recommended that the application be made by a professional user

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## **Consumption**

Depending on the application, dilute with water at a 1: 1 to 1:5 mixing ratio. Prior to each application, suitability tests should be performed to determine the best composition based on the raw materials available on-site.

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## **Storage**

BAUMENT 200L is stable in unopened packaging for 12 months when protected from frost and direct sunlight.

## Packaging

BAUMENT 200L is available in 1 L bottles, 5, 20 L drums and tanks of 1000 L.

## Safety Instructions

For information and instructions regarding disposal and safe handling, users should refer to the latest Safety Data Sheet of the product containing ecological, toxicological and other safety-related data.

## Legal notes

The technical data and recommendations contained or listed in this leaflet are the result of laboratory measurements, of our current knowledge and experience. All the above-mentioned information and specifications should in any case be considered as indicative, as they may differ from each other. The Company makes every effort to ensure the accuracy of the information provided herein. Product specifications, prices and availability are subject to change without notice and may differ from those shown.

In practice, variations in materials, substrates and on-site implementation conditions are such that no warranty can be given or implied as to the merchantability or suitability of the materials for a particular purpose and for the exact conditions of each project. Anyone interested of using the product must be sure beforehand that the product is suitable for the intended use and in any case, the user is solely responsible for any consequences due to the use of the product. Among other things, the Company is not responsible for any normal wear or tear from environmental or other inappropriate conditions. We reserve the right to revise or change the data herein without prior notice.

Restrictions and disclaimers apply to the extent permitted by applicable law. The Company has a Technical Support Department, which is the only one responsible for providing technical advice and solutions to deal with problems. Requests to the Technical Support Department are addressed and answered, only in writing.

For the latest and valid version of the Technical Data Sheet, the user of the material must refer to our website [www.novamix.gr](http://www.novamix.gr) or directly to the QR Code of the product.



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