

# BAUMENT RAPID FLOW

## Enhancing for mortars

- ▷ **Increased workability**
- ▷ **Increases fluidity of the mix**
- ▷ **Prevents separation**
- ▷ **Gives significantly increased mechanical strength**
- ▷ **Reduces the risk of cracking**

### Description

BAUMENT RAPID FLOW is a liquid additive for creating floor-filling mortars of high mechanical strength, very good workability and rapid drying. Ideal for floors even in high thickness before application of Microcement screeds, epoxy systems and coatings with sensitivity to the rising moisture coming from the substrate.

### Typical Applications

Suitable for creating floor filling mortars that require:

- Ultra-fast drying and rapid expulsion of humidity
- High mechanical strength
- Better workability
- Increased fluidity of the mix

For surfaces that will be covered:

- In very short period time
- With coverings sensitive to humidity such as wood, marbles, carpets, Microcement screeds, epoxy systems

### Technical Data

#### Product identification

Consistency	Liquid
Color	Brown
Specific gravity	1,05 ±0,05 kg/l
pH	6 ± 0,5

## Application Procedure

### Application of the mix

Add the BAUMENT RAPID FLOW to the mixing water at the predetermined ratio. Slowly and while stirring add the cement to the water and then the aggregates. Alternatively, pre-mix the dry ingredients together and add them in the required amount. Mix with an electric or worksite mixer until you achieve complete homogenization of the mix, desired workability, without lumps.

### Recommended dosages

#### A. High fluidity mortars with very high mechanical strength and ultra-fast drying

Portland cement type CEM I 42,5 N	25 kg	
Sand 0/4 mm	75 kg	
BAUMENT RAPID FLOW	1 – 2 L	
Water	7 – 9,5 L	
Fresh mortar fluidity according to EN 1015-3, without knocks	240 – 300 mm	
Flexural strength 28 days	$\geq 14 \text{ N/mm}^2$	
Compressive strength 28 days	$\geq 75 \text{ N/mm}^2$	
Remaining humidity of dry mortar at 23°C and 50% relative humidity after:	<b>4 days</b>	<b>7 days</b>
• Application thickness 40 mm	< 3 %	< 2,5 %
• Application thickness 80 mm	< 4 %	< 3,5 %

#### B. Medium fluidity mortars with high mechanical strength and fast drying

Portland cement type CEM I 42,5 N	25 kg	
Sand 0/4 mm	100 kg	
BAUMENT RAPID FLOW	1 – 3 L	
Water	9 – 11 L	
Fresh mortar fluidity according to EN 1015-3	170 – 250 mm	
Flexural strength 28 days	$\geq 12 \text{ N/mm}^2$	
Compressive strength 28 days	$\geq 60 \text{ N/mm}^2$	

Remaining humidity of dry mortar at 23°C and 50% relative humidity after:	<b>4 days</b>	<b>7 days</b>
• Application thickness 40 mm	< 3 %	< 2,5 %
• Application thickness 80 mm		< 4 %

**Γ. Medium fluidity mortars with medium mechanical strength and fast drying**

Portland cement type CEM I 42,5 N	25 kg	
Sand 0/4 mm	125 kg	
BAUMENT RAPID FLOW	1 – 2 L	
Water	11 – 12 L	
Fresh mortar fluidity according to EN 1015-3	170 – 200 mm	
Flexural strength 28 days	≥ 10 N/mm <sup>2</sup>	
Compressive strength 28 days	≥ 45 N/mm <sup>2</sup>	
Remaining humidity of dry mortar at 23°C and 50% relative humidity after:	<b>4 days</b>	<b>7 days</b>
• Application thickness 40 mm	< 3 %	< 2,5 %
• Application thickness 80 mm		< 4 %

The technical data stated in this Product Data Sheet are based on laboratory tests at 23°C and 50% relative humidity without aeration. Prices may vary depending on the specific conditions at the construction site that are not subjected to our control.

**Application of the mix**

Add the BAUMENT RAPID FLOW to the mixing water at the predetermined ratio. Slowly and while stirring add the cement to the water and then the aggregates. Alternatively, pre-mix the dry ingredients together and add them in the required amount. Mix with an electric or worksite mixer until you achieve complete homogenization of the mix, desired workability, without lumps.

**Recommendations**

- Shake well before use
- Appropriate testing should be performed before application
- BAUMENT RAPID FLOW should not be added in dry cement
- First, always add the minimum amount of water and if more water is necessary, add it to the end of mixing
- BAUMENT RAPID FLOW is not combined with retardants, plasticizers or other admixtures
- Do not apply when substrate and ambient temperatures are lower than +5°C and higher than +35°C

- In any case, you should ensure that the residual moisture content of the mortar is lower than that required by the coating product

### Consumption

Depending on the kind of mortar 1 – 3 L/25 kg cement.

### Storage

BAUMENT RAPID FLOW remains stable for at least 12 months in the original sealed packaging stored in dry place in temperature between +5°C and +35°C.

### Packaging

Buckets of 1, 5 and 20 liters.

### 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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