

Beyem Elastic

Synthetic flexible emulsion for cementitious, lime and gypsum mixtures



About this product

BEYEM ELASTIC is a flexibilizer, synthetic emulsion for cementitious, lime and gypsum mixtures, which improves the adhesion, mechanical performance, flexibility and impermeability of the mixtures to which it is added. Water formulated copolymer acrylic emulsion based product. Single-component and solvent free.

Benefits

- Decreases the risk of cracking.
- Environmentally friendly and respects users' health.
- Stable in alkaline media.
- Provides UV resistance.
- Increases resistance to freeze-thaw cycles.
- Excellent flexibilizer power.
- Ready to use.

Use

Emulsion used to improve adhesion, mechanical performance, chemical resistance, impermeability and flexibility of conventional mortars. Confers greater cohesion and plasticity to the mortars to which it is added to. Binding and cohesive additive for various materials and raw materials. Suitable for use in mortars made on site, high-strength cementitious plasters, bonded screeds made "in situ", application of cementitious layers etc... BEYEM ELASTIC is used adding it to the mixing water of the products to which it is incorporate to.

Substrates

BEYEM ELASTIC is suitable for:

- Concrete screeds.
- Cement, gypsum or lime based substrates.
- Renders.
- Renovation substrates.
- Industrial mortars.

Preparation of substrates

The abovementioned substrates onto which the mixtures modified with BEYEM ELASTIC is to be applied must be sound, clean, free from paint residue, poorly bonded parts or substances which may hinder adherence such as dust, dirt etc... All removable parts must be taken away. Surface treatments such as waxes, oils and products for removing formwork must be removed. The substrate must have undergone the drying hygrometric shrinkage. On hot days and on very absorbent substrates, it is advisable to previously moisten the substrate and wet the mortar 24 hours after application. This operation is essential to avoid rapid drying of the mortar and will depend on the degree of porosity and absorption of the substrate.

Instructions for use

Homogenize the material prior to application.

BEYEM ELASTIC must be previously mixed with the mixing water which is to be used to stir the product to which it is added to, thoroughly homogenising the mixture prior to making the mortar and using the appropriate ratio so as to obtain a plastic consistency. BEYEM ELASTIC can be mixed with different ratios of water according to the degree of ultimate performance which are intended to be obtained with the product. The recommended ratio is 1 Part BEYEM ELASTIC: 2 to 5 Parts water. The product obtained can be mixed and applied using conventional means according to its purpose.

Cautions and recommendations

- Do not apply below 5°C or above 35°C.
- Do not use as a primer without mixing with binding agents.
- In very hot or windy environmental conditions, after application of the product, the surface of the mortar must be protected to prevent a too rapid drying.
- For unspecified applications, consult the Technical Department.
- The use of BEYEM ELASTIC does not exempt from the strict compliance with the valid regulations for the proper execution of the works, and in particular, the use of the appropriate aggregates for the application which is to be carried out.

Technical Data

Product identity. Application data.

Type	Synthetic emulsion
Appearance	White liquid
Bulk density	≈ 1010 Kg/m ³
Particle size	≈ 0,5 μm
Minimum Film Forming TemperatureT(MMFT)	0 °C
Viscosity	≈ 3000 mPa*s
Consumption (dosage)	1 Part BEYEM ELASTIC: 2 to 5 Parts water
Tariff code	3209.10.00.00

Packaging

BEYEM ELASTIC is packed in 1L bottles and 5 and 25 L plastic pails.

Storage: when stored unopened in a cool dry place, shelf life is 12 months from date of manufacture.

Cleaning tools

Tools can be cleaned easily with water before the product hardens. Hardened product can be removed only mechanically.

Project specification

The improvement in the cohesion, plasticity, mechanical performance, adhesion, flexibility and impermeability of cementitious mixtures and mortars made "in situ" will be carried out using the synthetic water single-component and solvent free emulsion Beyem Elastic, manufactured by the company Rodacal Beyem. The dose will be 1 Part Beyem Elastic: 2 to 5 Parts water. The substrate must be clean, moisture-free and free from friable parts.

Health and Safety

For further and complete information about the safe use of our product please refer to our latest version of the Safety Data Sheet, which is available upon request.

Disposal of the product and packaging must be in accordance with current legislation. This is the responsibility of the final product user.

Certifications



ER-1089/1999



IDI-0004/2012



Contact



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Note

Product for professional use

The above guidelines and information is accurate to the best of our knowledge and is offered in good faith. This information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. End user should ensure that he has our latest literature, copy of which will be sent upon request.