

**INTRODUCTION**
**DESCRIPTION**

Synthetic resin in emulsion, white, solvent-free.

**USES**

For inside and outside use.

As a mixing liquid with **MORTEX® E-3; MORTEX® COLOR 2- N, F1, F2, F3 and F4.**

**ADVANTAGES**

- Solvent-free
- Excellent resistance to alkalis
- Excellent compatibility with **BEAL COLOR** pigments and additives

**TECHNICAL SPECIFICATION**

IDENTIFICATION DATA	
State	Liquid
Appearance	Milk
Colour	Off-white
Odour	Characteristic
Density NBN EN 1015-10	1020 kg/m <sup>3</sup>
Apparent density (at 20°C)	1.02 kg/L
Packaging	5L cans 1L bottles
Storage	6 months in a dry spot, sheltered from frost, not in contact with the ground and in the original unopened packaging. Never leave the products in full sunlight.
Volatile Organic Component content	< 0.002%
Customs classification	39 09 50 90
APPLICATION DATA	
Mixing ratio	5L of <b>MORTEX BEALCRYL 2</b> /25 kg of <b>MORTEX® COLOR 2-N</b> 1L of <b>MORTEX BEALCRYL 2</b> /5 kg of <b>MORTEX® COLOR 2-N</b> (to be adjusted according to the quantity of pigments and the humidity of the air)
Application temperature	+5°C min to +30°C max
Relative humidity	65% min and 90% max Bar the use of appliances which are capable of drying out the humidity of the air (dehumidifier, air conditioner, etc.) 1 week before and after the site, as well as during application.
Humidity of the substrate	< 3%
FINAL SPECIFICATION (AFTER 28 DAYS) <sup>1</sup>	
Compressive strength (measurement on <b>MORTEX® COLOR 2-N</b> ) NBN EN 1015-11	32.2 N/mm <sup>2</sup>
Bending strength (measurement on <b>MORTEX® COLOR 2-N</b> ) NBN EN 1015-11	9.83 N/mm <sup>2</sup>
Adhesion (measurement on <b>MORTEX® COLOR 2-N</b> ) NBN EN 1015-11	3.42 N/mm <sup>2</sup>

<sup>1</sup> Results obtained in standard conditions. Some data may still be modified, according to atmospheric conditions.

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Page n°1 - This technical sheet comprises 3 page(s) - Edition NF 1/09/15 - This version supersedes all previous versions.

## APPLICATION

### SUBSTRATE AND PREPARATION

The substrate must be sound, dry before and after application, clean, matt, free from dust and non-oily. It must be hard, not vulnerable to frost and not floury.

Remove any part that is not adhering or has low cohesion, as well as any substance that may impair the adhesion.

Remove dust carefully.

There must not be any stagnant water in the surface at the time of application.

If the substrate consists of materials of different kinds, unstable and/or incorporating joints (e.g.: tiling), it is essential to take the necessary precautions to avoid, as far as possible, any movement due to expansion, to the difference between surface and internal tensions and to shearing.

It is essential to ensure that the substrate is properly stable. If you have any doubt, talk to us. A test is always advisable.

### PREPARATION OF THE MIXTURE

Pour the **MORTEX BEALCRYL 2** into a clean tank and gently add 2/3 of the powder. Mix at slow speed with a mortar mixing paddle, while adding the remaining 1/3 of the powder until you obtain a homogeneous mortar without lumps. According to the **MORTEX®** powders used, follow the mixing ratios listed in the table below.

Type of powder	MORTEX BEALCRYL 2/kg mixing ratio
MORTEX® ETANCHE 3	200 ml
MORTEX® COLOR 2-N	200 ml
MORTEX® COLOR 2-F1	200 ml
MORTEX® COLOR 2-F2	230 ml
MORTEX® COLOR 2-F3	320 ml
MORTEX® COLOR 2-F4	370 ml

When adding pigments, ensure that you adjust the quantity of **MORTEX BEALCRYL 2**.

## MISCELLANEOUS

### CLEANING TOOLS

Clean the product off while still fresh with water.

### WARNINGS

Sites must be protected against rain, sun, wind and frost until drying is complete and until immersion in water is complete.

In closed and poorly ventilated rooms, severe condensation may occur after application, owing to the relatively lower temperature of the walls. Increasing the ventilation will resolve this problem very quickly, as often as not. Using dehumidifying installations is inadvisable during the first 28 days following application.

It is extremely inadvisable to apply media containing salts (sodium sulphate, nitrates, calcium, etc.).

### ADVICE

BEAL advises you strongly to attend one or more **MORTEX®** training courses, depending on the purpose of the site. The company organizes frequent training courses, of different types (according to the different application systems) at its

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headquarters or on the premises of its distributors. They are accessible to both professionals and individuals alike, in Belgium and abroad (see [www.beal.be](http://www.beal.be)).

After attending training courses, private coaching sessions on site can be organized. For more information, contact us.

Follow the application instructions exactly, according to the purpose of the product. Never use products other than those shown in this technical data sheet, to avoid any risk of things going wrong.

Always carry out tests with the chosen protection, as each pigment and each protection reacts differently.

For a single site and for each product type, always use products bearing the same batch number.

#### ENVIRONMENT

Remove waste to a specialist collection centre.

#### SAFETY

Protect your skin and eyes. If a product comes into contact with your eyes or skin, rinse immediately and copiously with clean water. In the event of a problem, consult a specialist.

Consult the safety data sheet available on request or at [www.beal.be](http://www.beal.be)

#### LEGAL NOTICE

These instructions, and , in particular, the recommendations for the application and final use of the products, are provided in good faith and are based on the knowledge and experience that the BEAL Corporation has acquired to date about its products when they have been properly stored, handled and applied under normal conditions. In practice, the differences between materials, substrates and specific conditions on site are such that this information or any written recommendation or advice given do not imply any guarantee of merchantable quality other than the statutory guarantee against hidden defects. Our liability cannot be committed in any way, assuming an application not compliant with our teaching. None of the data and information relating to suitability and application absolve the client from the need to carry out its own verifications and tests. All orders are accepted subject to our current terms and conditions of trading. It is essential that users consult the most recent version of the instructions for the product in question. These will be delivered to them on request.

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