



## TECHNICAL DATA BETON (KA + KB).

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### TECHNICAL FEATURES

cementitious Rasante bi-component powder for internal and external, with high bonding strength, fiber-reinforced, breathable, white in color. It is characterized by high adhesion to materials normally used in construction, excellent workability, ease of application, high fluidity and thixotropy.

### COMPOSITION OF LOANS AND

BETON KA is a cement mortar based on inert carbonate and quartz sands with controlled granulometry, polymeric binders in powder form, and specific nature of synthetic short fibers additives. The simultaneous presence of minerals and polymeric binders, the inorganic fillers and reinforcing fibers develops a positive synergy which increases the mechanical properties of the product.

It is used as:

- Leveling and preparation of walls and floors before application of 3D CEMENT;
- Direct Shaving on horizontal and vertical surfaces such as; tile, marble, cement plaster, lime mortar and concrete. Although the BETON KA is fibrated we recommend the use of plaster-port network of damaged surfaces and with the risk of cracks;
- Smoothing walls and floors with plastic coatings or synthetic paints as long as consistent and well anchored;

Do not apply on gypsum-based plasters without pre-treatment with Primer NK, uneven surfaces, substrates subject to rising damp. Do not use uniform supports with irregularities in excess of 4 mm. After application and complete maturation is the ideal support for 3D CEMENT finish.

### PREPARATION AND APPLICATION

The substrates must be clean, stable, anchored, free of oils, fats, waxes, loose, flaky parts. Brushing and remove any machining residues. Old decorative coatings not perfectly bonded must be removed. In the case of absorbent porous surfaces should be previously moisten with water and wait for the disappearance of surface water veil before proceeding with the application of BETON KA.

Knead BETON K-A 12 Kg with 3.5 / 5 liters of BETON K-B using a mechanical stirrer at low rpm until complete homogenization of the dough. Before applying the product allow to stand for 5 minutes and stir. Spread shaving on the surfaces by means of a steel trowel in a maximum of 3/4 mm thick.

### TECHNICAL DATA

characteristics value

Appearance: Powder;

White color;

Dry solids content: 100%;

Particle size G.F Max.: 0.5 mm;

Mineralogical nature of aggregate: Silico / carbonate;

Mixing Component: ~ BETON K-B 3.5 / 5 Lt for 12 Kg of BETON K-A;

Consistency: thixotropic;

Density of 1500 kg / m<sup>3</sup>;

Pot life: About 2/3 hours;  
Maximum thickness per coat: 3 mm;  
Waiting time before finishing 3D CEMENT: Min 12/24 hours;  
Consumption: ~ 1.3 Kg / m<sup>2</sup> per mm of thickness;  
Packaging: Secchi Kg. 12  
Storage: 12 months in original packaging in a dry place;

N.B. These data represent the mean values. The information and instructions for applications are based on our experience and current knowledge. However, it is the user's responsibility to make estimates of tests to verify the suitability of the product to the specific application.

Technical Specification Provision obtained

Resistance to compression after 28 days (N / mm<sup>2</sup>); CS I (0.4 to 2.5) Category CS IV  
CS II (1.5 to 5.0)  
CS III (3.5 to 7.5)  
CS IV (≥ 6.0)

Flexural strength at 28 days; > 3.00 N / mm<sup>2</sup>  
Adhesion to the substrate (concrete): Declared value > 1.30 N / mm<sup>2</sup>  
Coefficient of water absorption  
capillarity Kg / (m<sup>2</sup> \* 0.5 min): Category from W 0 to W 2 W 2 Category  
Thermal conductivity (W / m \* K): Category Category from T1 to T2 T1  
Coefficient of water vapor diffusion (μ): Declared value ≤ 20  
Reaction to fire: Class A1

FOCUS FEATURES IN OPERA

Operating temperature: +5 +35 ° C;  
Recommended for indoors and outdoors;  
Apply on well clean and dry surfaces; Protect windows, doors, etc .;  
Do not use on wet supports, ice cream or damp recoveries;  
Store in a cool, dry place away from sunlight;  
Do not apply in the presence of sunlight, strong wind or rain;  
In the case of too hot surfaces due to the effect of the solar rays it is appropriate to moisten with water;  
Wait for the curing of the cement shaving before decoration;  
It 'important that during the application and in the following 24 hours the temperature does not fall below + 5 ° C and the relative humidity does not exceed 80%;

The information contained in this data sheet reflects our best knowledge and, as such, are disclosed informative, so do not assume any responsibility of our Company against any claims arising from employment conditions that are beyond our control.

The data and information contained in this technical data sheet are based on the best practical and laboratory testing, but should be regarded as indicative. Considering the different conditions of use, and the intervention of independent factors from Nikkolor Italy (support, environmental conditions, technical direction of installation, etc.) Who intends to make use of it is required to determine whether the product is suitable or not for use. The ns. warranty obligation is therefore limited to the quality and consistency of the same relatively to the finished product, and exclusively for the above data. The data may vary at any time without prior notice from the Nikkolor Italy. Updates will be posted on the site [www.nikkolor.net](http://www.nikkolor.net)