

Technical 19.09.2017

## MZ BCA

### Adhesive mortar for ACC masonry

#### Use:

Adhesive mortar for application in thin layer, max. 5 mm, to ACC masonry blocks, YTONG, etc. Product is applied only on mineral bases. Product is not applied on wood, plastic, metal, plasterboard.



#### Characteristics:

- High resistance
- Easy processing
- High adherence
- Low consumption
- Application in comb

#### Technical data:

Item No.:	MZ BCA
Material foundation:	Cement, lime, mineral aggregates
Mortar Class:	M10 according to SR EN 998 – 2 / 2011
Granularity:	0 – 1 mm
Adherence to base:	Min. 0.1 N/mm <sup>2</sup>
Compressive strength:	Min. 5 N / mm <sup>2</sup>
Bucket time:	Approx. 2 hours
Time for corrections:	Approx. 4 minutes
Reaction to fire:	Class A1
Air/substrate temperature when placing:	Min. +5°C max. +30°C
ACC consumption Nut Feder 60 x 20 x 25:	Approx. 3,8 kg / m <sup>2</sup> , approx. 6,5 m <sup>2</sup> / 25 kg bag
ACC consumption Nut Feder 60 x 30 x 25:	Approx. 5,7 kg / m <sup>2</sup> , approx. 4,3 m <sup>2</sup> / 25 kg bag
Normal ACC consumption 60 x 20 x 25:	Approx. 6,3 kg / m <sup>2</sup> , approx. 3,9 m <sup>2</sup> / 25 kg bag
Normal ACC consumption 60 x 30 x 25:	Approx. 9,5 kg / m <sup>2</sup> , approx. 2,6 m <sup>2</sup> / 25 kg bag
Strength loss after 25 frost/thaw cycles:	Approx. 0,22%
Mass loss after 25 frost/thaw cycles:	Approx. 0,15%
Packaging:	Paper bag resistant to humidity
Delivery:	25 kg
Storage / Validity:	12 months from date of fabrication on the packaging, according

to Directive 1907/2006/EC and GR 932/2004, at 20°C and 65% relative humidity. Store in dry spaces on wooden pallets.

Technical data and those related to consumption are determined in standard conditions.

There may be differences depending on conditions of applications.

**Base:**

ACC blocks are dusted prior to applying the material.

**Processing:**

For 25 kg MZ BCA, mix homogenously approx. 4,75 – 5,5 liters of clean water, preferably with an electric mixer. Leave to rest about 5 - 10 minutes and then give a brief, vigorous mix one more time. When mixing with an electric concrete mixing machine, the mixing time is 5 – 10 minutes. Material is distributed on the contact surface with a serrated grouter. When using ACC blocks with Nut and Feder, materials are not applied on the sides of the blocks. ACC blocks are laid on the adhesive mortar coat and presses gently.

**Important:**

- Consideration must be given to additional measures for the protection of surfaces against fast dehydration, bad weather or frost;
- Particularly the ACC masonry must be protected against rain during the entire time it is exposed. ACC absorbs a large amount of water. In wet conditions, the ACC's thermo insulating effect is reduced considerably;
- Comply with the information in the technical security sheet;
- This technical sheet replaces all previous versions. Information in this technical sheet represent our experience with this product up to this day. This technical sheet does not clear the user of the product from making his own decision and evaluation including by samples, regarding the appropriateness of using the product. SCHOMBURG / ADEPLAST products as well as their aggregate raw materials are continuously monitored in our own laboratories for consistent quality. Our advisory service is available for questions regarding product application and demonstrations. Comply with the information in the security technical sheet.