

Technical 16.02.2015

## MZ 5

### MORTAR FOR BUILDING UP CONCRETE AND BRICK BLOCKS

#### Use:

Mortar for building up concrete and brick blocks, or lightweight concrete blocks.

#### Characteristics:

- Easy workability
- Very good adherence
- High controlled brand



#### Technical data:

Item No.:	MZ 5
Material foundation:	Cement, mineral aggregates
Mortar Class:	M5 according to SR EN 998 – 2 / 2011
Granularity:	0 – 4 mm
Bucket time:	Approx. 2 hours
Reaction to fire:	Class A1
Air/substrate temperature when placing:	Min. +5°C max. +30°C
Consumption:	Approx. 1,5-1,8 kg / m <sup>2</sup> for a 1mm layer thickness Approx. 156 kg of dry mortar / 1 m <sup>3</sup> hollow bricks
Strength loss after 25 frost/thaw cycles:	Approx. 0,42%
Mass loss after 25 frost/thaw cycles:	Approx. 0,11%
Packaging:	Paper bag resistant to humidity
Delivery:	30 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:** must be clean, without traces of oil or grease, flat and rigid.

**Processing:**

One 30 kg bag is mixed with approx. 4,2 – 5,4 liters of water.

For 1 kg of masonry mortar, approx. 140-180 ml of water is consumed, at a temperature of +20°C.

**ATTENTION!!!**

**AT HIGH TEMPERATURES, WATER CONSUMPTION INCREASES!!!**

**IF NECESSARY, UNDER HIGH TEMPERATURES, MOISTEN THE MASONRY ELEMENTS!!!**

Mix the product manually or with a drilling machine with a paddle shaft attached to it, or with a concrete mixing machine. When mixing manually or with the drilling machine, mix vigorously, leave it to rest for 5 minutes, and then give another mix.

Mixing time in the concrete mixing machine is 5 to 10 minutes.

**Method of application:** The prepared mortar is applied on the base with the ladle, then is distributed with the trowel, until you obtain a uniform layer, on top of which is laid the next layer of building-in material (brick, concrete, lightweight concrete). The building-in material is fixed and leveled by gently knocking with a rubber hammer. Inspect the flatness of the masonry with a smoothing board and a level. Masonry mortar is also applied at the edges of the building-in blocks (joints).

Masonry obtained is protected against fast drying.

In addition to the above recommendations, it is important to comply with the rules and standards in force. Guaranteed characteristics are based on practical experience and performed tests. Conditions specific to location and application may vary from those showed here, therefore, the correct and successful use of our products is not our area of responsibility.

**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.