

# TECHNICAL DATA SHEET

BEKOLEP



## INTENDED USE

A thin-layer masonry mortar is intended for building structural and partition walls made of blocks of cellular concrete, gravelite-concrete or silicates. It can also be used for masonry walls made of other absorbent masonry elements with repetitive dimensions. For indoor and outdoor use. The joint thickness: from 1 to 3 mm. Compression strength – category M 10.

## MASONRY ELEMENTS

Blocks made of cellular concrete, gravelite-concrete, and silicate hollow bricks, other absorbent masonry elements with repetitive dimensions.

## SURFACE PREPARATION

Masonry elements should be clean and durable. Dry and very absorptive surface should be moistened with water.

## APPLICATION INSTRUCTIONS

Stir the bag contents manually or mechanically with a specified amount of cold and clean water until uniform and desired consistency is obtained. After 5 minutes the mass should be stirred again. Carefully level the wall base. Apply the ready mortar with a trowel and spread it with a notched trowel or with a special dosing device with notched edge. Lay the bricks and press them lightly. Once laid, brick arrangement can be changed within 5-7 minutes time. The bricks should be glued within max. 10 minutes from spreading a thin layer of the mortar on the surface. Apply mortar also to the vertical mounting planes of the bricks, if they do not have "interlocks". Prepared mortar should be used up within 2 hours after mixing with water. If the mortar thickens during that time, stir it again thoroughly and do not add any water. Adding too much water impairs all mortar properties such as: stripping strength and setting time. It is recommended to use clean and stainless-steel tools.

Tools: a low-speed electric mixer, a basket mixer, a mortar dispenser or a notched trowel, a container for mortar and water.

## COMPOSITION

A mixture of Portland cement, sand, and appropriately selected modifying additives.

## PACKAGING

25 kg multiwall vented paper bag.

## STORAGE

Store in an original, undamaged packaging, in a dry place. Shelf life is 9 months from the manufacture date found on the packaging.

## NOTES AND RECOMMENDATIONS

The technical specifications and instructions for use are provided for the temperature of  $+23 \pm 2^\circ\text{C}$  and relative humidity of  $50 \pm 5\%$ . Processing time may change due to adverse weather conditions. Protect fresh masonry against drying up and moisture. Information provided on the packaging is to ensure an optimal use of the product, but does not give rise to liability of the Manufacturer, because the use conditions are beyond his control. Any change in product composition is unacceptable and can significantly diminish the quality of the material. It forms an alkaline solution when mixed with water. Empty paper packaging can be recycled.

## TECHNICAL SPECIFICATION

Colour: white  
Appropriate amount of water: 5,0 - 5,5 L per 25 kg bag  
Surface temperature: from  $+5^\circ\text{C}$  to  $25^\circ\text{C}$   
Ambient temperature: from  $+5^\circ\text{C}$  to  $25^\circ\text{C}$   
Compression strength: M 10  
Chromium (VI) content  $< 2$  ppm

## CONSUMPTION

at the 2-mm joint, depending on the masonry thickness

- a block of 12 cm thickness ca. 2 kg/m<sup>2</sup>
- a block of 24 cm thickness ca. 4 kg/m<sup>2</sup>

## CERTIFICATES

EN 998-2:2010 Specification for mortar for masonry. Masonry mortar

The Factory Production Inspection Certificate no. 1020-CPR-010033466 issued by TZUS Prague

The Declaration of Performance no. MP/009/2014

The Hygienic Certificate of the National Institute of Hygiene no. HK/B/1385/05/2015

The Radiation Hygiene Certificate no. HR/B/26/2013

**With the publication of this Technical Data Sheet all previous versions are no longer valid**