

# TECHNICAL DATA SHEET

## SPEEDLEP



## INTENDED USE

Specialized fast-setting cementitious adhesive for gluing ceramic, stoneware, facade and clinker tiles. It is characterized by fast setting time, improved adhesion, and reduced vertical slip. For indoor and outdoor use, also in floor heating systems. It is highly efficient deformable adhesive mortar recommended for use on deformable surfaces. Short setting time (ca. 40 min.) allows fast work progress. An additional advantage of this adhesive is fast increase in strength. Pedestrian traffic is allowed after 2 hours from mounting the tiles. Speedlep is an improved (2) fast setting (F), slip resistant (T) and deformable cementitious (C) adhesive classified as C2FTS1.

## SURFACE TYPES

Properly seasoned and prepared cement and cement-lime plasters (at least 28 days old), gypsum plasters, concrete surfaces (at least 3 months old), cement and anhydrite floors, masonry made of bricks, ceramic hollow bricks, silicate bricks and cellular concrete blocks, old tiles, terracotta, stoneware and drywall.

## SURFACE PREPARATION

The surface should be strong and smooth, free from dust, dirt, lime, oils, grease, wax, residues of oil paints or emulsion paints etc. Surface irregularities up to 5mm can be pre-filled with adhesive mortar. Remove brittle and peeling old layers of poor adhesion. New plasters and concrete should be set and seasoned. Laying linings on an excessively damp surface is one of the most serious errors related to execution of floors that often lead to complete destruction of the floor layer. Prime surfaces of reduced adhesion with a MAJSTERGRUNT UNIVERSAL PRIMER, and highly absorbing surfaces with a MAJSTERGRUNT DEEP-PENETRATING PRIMER. If applying the adhesive on the weak and difficult to clean surface, it is recommended to perform an adhesion test - glue the tile and check the joint after 48 hours.

## 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. Apply the adhesive with a trowel or spatula and spread with a notched trowel of appropriate notch size. Do not wet the tiles prior to gluing. Apply the tiles by pressing them to the surface so that the adhesive mortar adheres to at least 70% of the tile surface. Very large

tiles, larger than 30x30 cm, should be placed so that the adhesive mortar adheres to at least 90% of the tile surface. All tiles laid on the outside and in permanent wet floors and intensively used, they should be glued so as to adhere to the mortar across the surface of the tile. All tiles that are laid on exterior surfaces, permanently humid places and also on floors that are intensively used, should be glued so that the adhesive mortar adheres to the entire tile surface. In order to fulfill such requirements, apply the adhesive with a thin layer of even thickness that covers all profiled elements on the entire surface of the back side of the tile. Select the joint width according to the lining location and the tiles' size. Any changes in position can be made within 10 minutes of application. Tiling should be performed within 30 minutes of spreading the adhesive on the surface. Prepared adhesive should be used up within 2 hours after mixing with water. If the adhesive thickens during that time, stir it again thoroughly and do not add any water. Adding water impairs all adhesive properties such as adhesion and slip and prolongs its bonding time. The unused hardening adhesive is not suitable for re-mixing with water and should be thrown away.

## COMPOSITION

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

## 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. 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. Attention!!! Do not soak tiles prior to laying!!!

## TECHNICAL SPECIFICATION

Colour: gray  
Appropriate amount of water: 6,5 – 7,0 L per 25 kg bag  
Surface temperature: from +5°C to 25°C  
Ambient temperature: from +5°C to 25°C  
Correction time: ≤ 10 min.  
Consumption time: ca. 15 min  
Grouting: after 6 h  
Usage: after 2 h  
Lateral deformation: class S1  
Chromium (VI) content < 2 ppm.

## CONSUMPTION

ca. 1,3 kg per 1 mm of mortar thickness layer

| Trowel notch size | Consumption *         |
|-------------------|-----------------------|
| 6 mm              | 2,4 kg/m <sup>2</sup> |
| 8 mm              | 2,8 kg/m <sup>2</sup> |
| 10 mm             | 3,8 kg/m <sup>2</sup> |

\* while applying the adhesive also on a tile, consumption increases by ca. 0,5 kg/m<sup>2</sup>

The Declaration of Performance no. MP/014/2013  
The Hygienic Certificate of the National Institute of Hygiene  
no. PZH HK/B/1512/01/2011  
The Radiation Hygiene Certificate no. HR/B/25/2013

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