



# MÜSZER AUTOMATIKA KFT.

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## TECHNICAL DATA SHEET

### MANTI Ceramic Architectural High Density heat protective thin-layer coating

**Composition:** Water-based dispersion binders, pigments, vacuum ceramic spheres, fillers and other additives, preservatives

**Color range:** white

**Packaging:** 20 liters

**General properties:** The MANTI Ceramic Architectural High Density heat protective thin-layer coating is a ready-to-use, solvent-free, water-based plaster that can be easily and effectively applied using conventional plastering and spraying techniques (recommended spay machine: Titan PowRTwin PLUS DI 6900). Forms a stable, well-adherent coating containing microscale vacuum spheres with excellent thermal protection properties.

**Applications:** Residential, public and industrial buildings (halls), monuments and livestock and crop production buildings made of natural stone, concrete, brick wall, gypsum and cement plaster, etc. surfaces.

For making a smooth surface on a smoothed base plaster, to remove unevenness in the plaster before painting. It is also suitable for repairing smaller holes, cracks, joints and facade decorations.

Breathable and vapor-permeable, provides a uniform coating, provides good adhesion to various surfaces, promotes natural ventilation of the building, moderates thermal bridges, thereby reducing the possibility of mold formation. When applied in a thin layer, heating and cooling costs can be reduced while comfort is improved. It is an environmentally friendly product and does not generate hazardous waste.

#### **Quality characteristics:**

Appearance:	easy-to-mix white dispersion
pH value:	9,0 – 9,5
Density (at 20°C):	0,7 – 0,8 g/cm <sup>3</sup>
Drying time (at 23°C):	
Degree 1:	max. 2 hours *
Degree 5:	max. 24 hours *
Appearance of coated surface::	crack-free, structured white matt surface
Recoatibility (at 23°C):	min. 2 hours
Coverage:	1,0 – 1,2 m <sup>2</sup> /liter
Recommended number of layers:	2 – 6 mm

\* Drying time can be extended by several hours due to the high humidity of the application environment!

**Storage, shelf life:** Store in unopened packaging at a temperature between +5 and + 40°C in a well-ventilated, cool, dry place. Avoid heat, direct sunlight. Frost hazard! In case of unopened packaging, the manufacturer guarantees a shelf life of 2 years from the date of manufacture.

**Preparation of the substrate:** The substrate must be homogeneous, solid, load-bearing, dry, absorbent, free from motion and shrinkage, and free from oil, grease, and other impurities. Inspect the substrate to be cleaned, clean if necessary, remove loose, snarling layers with a brush, spatula, and sanding. Fill deeper cracks with a flexible crack bridging material and sand after drying. Different absorbent portions of the surface can cause stains after application, so priming the surface with a solvent-free air and vapor-permeable **MANTI Primer fix** concentrate is required to even out the absorbency. **MANTI Ceramic Architectural Medium Density** is required as a final coating.

**Product preparation:** The contents of the bucket should be thoroughly mixed until a completely homogeneous dispersion is obtained. The product may be diluted with up to 5 % deionized or distilled water as required.

**Use of the product:** The plaster material is applied to the surface in the first layer with a plastering iron with a maximum of 3 - 4 mm teeth. Allow the plastered surface to dry, then remove the excess formed on the surface of the layer with a plastering iron of a size corresponding to the width of the applied layer. Smooth the second layer into the first formed toothed layer with a smooth, toothless plastering iron. Smooth the stiffening net on the surface thus formed, then smooth it with a thin layer of plaster. Smooth out any unevenness by rolling with a sponge paint roller. Use a toothless plastering iron to form the next layer. At the end, smooth the formed surface with the plastering iron in a circular motion until the desired result is achieved. An average drying time of 2 to 4 hours should be expected between the applied layers. The total drying time of the coating is 24 hours. If we still find defects in our work, we should fix them with a little plaster and then sand them after drying. Do not work in rain or scorching sunlight at sub-surface and air temperatures below +5 ° C.

**Cleaning of tools after immediate use:** with water

**Hazard classification:** Not hazardous for health and the environment. Wear personal protective equipment as specified in the safety data sheet.

**EU limit value for this product (A / c):** 40 g/l (2010).  
This product contains maximum 40 g/l VOC.

**Supplemental label elements:** **EUH208** Contains of reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one 3:1 ratio. May produce an allergic reaction.

**EUH210** Safety data sheet available on request.

**Safety instructions:** Not flammable! Frost hazard!

**Date of manufacturing:** Indicated on the packaging.

**Quality assurance and testing:** The first type test classification of the product was performed by the KERMI Department of the Central Laboratory of ÉMI TÜV SÜD Kft. according to the standard MSZ EN 15824: 2009. Protocol No.: R-1072744.

**Producer:** **Műszer Automatika Vegyesipari Kereskedelmi és Szolgáltató Kft.**  
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