

## TECHNICAL DATA

<b>Polymers and the curing system:</b>	<b>MS Polymer, alcoxy</b>
<b>Consistency:</b>	Paste
<b>Application temperature:</b>	+5°C / +35°C
<b>Specific weight:</b>	1,63 kg/dm <sup>3</sup>
<b>Shore A hardness:</b>	35 Shore A
<b>Modulus 100% (DIN 53504):</b>	1,0 – 1,2 MPa
<b>Tensile Strength (DIN 53504):</b>	1,3 - 1,6 MPa
<b>Elongation at break:</b>	300 %
<b>Tear strength (ASTM D 624-73):</b>	9 N/mm
<b>Skin formation time (20°C @ 50% RH):</b>	40 min approx.
<b>Curing speed (20°C @ 50% RH):</b>	2 - 3 mm./24 h

Values given in this table must not be considered as specifications.

## PRODUCT DESCRIPTION

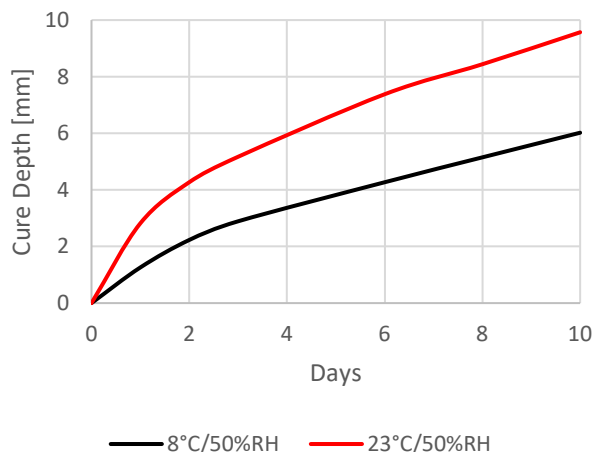
**MS CERBONDING** is a moisture curing one part permanently elastic adhesive based on **MS POLYMER**. It can be applied with a standard putty knife, creating a permanently elastic and highly adhesive membrane

## PRODUCT CHARACTERISTICS AND USES

**MS CERBONDING** has all the special characteristics of **MS POLYMER** technology:

- One part, ready to use, without mixing.
- Solventless and free from isocyanate.
- Virtually no shrinkage.
- Flexible at low (–40°C) and high (+100°C) temperatures.
- Neutral reaction, odourless.
- Very fast curing.
- Excellent adhesion to most ceramic materials.

A graph of the cross-linking depth as a function of temperature and ambient humidity is shown below.



## PROFESSIONAL USES

- **MS CERBONDING** is specific for waterproofing horizontal surfaces of terraces, balconies, kitchens,

bathrooms and sanitary areas as shower trays and bath tubs.

- It can be used either as waterproofing layer beneath ceramic tiling or in overlapping to old existing tiles after the removal of loose or yielding parts.
- The product can be used both as waterproofing membrane and as adhesive for the installation of various types of floorings, in fact it adheres to aluminum, steel, fiberglass, wood, cork, insulation foams, PVC, glass and many materials commonly used in building.

## LIMITATIONS

- Applications in water continuous immersion have to be double checked with Fratelli Zucchini S.p.A. Technical Area.
- Not suitable for joints in swimming pools and adjacent areas that are in continuous contact with pool water.
- It must not be used for items that come in contact with food, or with materials that ooze oily substances or plasticisers.
- Furthermore, it must not be applied in completely enclosed spaces, with no exposure to atmospheric humidity.
- Do not use in extreme temperature conditions, or on damp, frozen, contaminated surfaces.
- Do not use on excessively acidic or basic substrates.
- Not suitable for use on natural copper.
- Do not use in direct exposure to UV rays.
- For any application not listed in this document please contact our Technical Service.

## APPROVALS

- **MS CERBONDING** was tested and ranked second by **EUROFINS**: Indoor Air Comfort GOLD 6.0 of February 2017.
- **Product declaration**: EN 14891:2012 Type RM reaction resin liquid-applied water impermeable product (DOP N° 16 10 5006151).

**Fratelli Zucchini S.p.A.**

Via C. Colombo, 6  
44124 Ferrara - Italy

Tel. +39 0532 782711 - info@zucchini.it - www.zucchini.it

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## METHOD OF USE

**Adhesion and surface preparation:** tiles surfaces and support in contact with the adhesive must be mechanically resistant, clean, free from dust, friable parts, grease, oil, paint, waxes, and sufficiently dry. Cleaners containing alcohol must evaporate completely as they can limit the adhesive curing.

**Waterproofing:** apply a first coat of **MS CERBONDING** using a flat knife to cover the surface with a uniform layer (about 2 mm.), taking care especially of the areas corresponding to joints or connections between floor and walls.

**Consumption:** about 3 - 3,2 Kg/m<sup>2</sup>.

Allow to dry (about 24 hours), then the surface is ready for the laying of the new ceramic floor.

**Bonding:** can be carried out with two different methods depending on the coating type.

1. Apply **MS CERBONDING** to the whole surface by toothed knife (n°4 or 5).

**Consumption:** 1,5 - 2,5 kg/m<sup>2</sup>.

The actual value may vary depending on the substrate roughness. The second coat of adhesive must be sufficient to impact the back side of the tile. After 12 - 24 hours from adhesive application, depending on temperature and humidity, it is possible to walk on the surface.

2. Using a specific cement adhesive for tiles in accordance to **EN 12004**.

**Solvent wiping:** traces of **MS ROOFING** can be cleaned using **Solvente ST 512**. Cured product can be removed mechanically

## SAFETY AND HEALTH

See Safety Data Sheet.

## STORAGE STABILITY

**12 months from the date of manufacture.**

Store the sealed product in the original packaging, in a dry place at a temperature between +5°C and +25°C.

The product may become more viscose during storage.

## PACKAGING

Code	Colour	Packaging	Pcs./box
1004160	Brown	5 kg pail	-

Other sizes available on request

