

MS CERBONDING



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.

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.



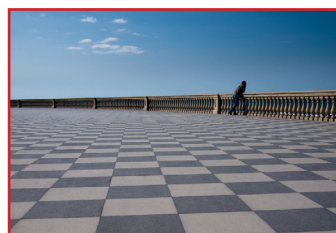
TYPICAL USES

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.



PROPERTIES

Base material:	MS Polymer
Consistency:	paste
Application temperature:	+5° / +35°C

AVAILABILITY

Code	Colour	Packaging	pcs./box
1004160	brown	5 Kg. pail	1
1004165	brown	20 Kg. pail	1

TECHNICAL DATA

Specific gravity:	1,63 kg/dm ³
Shore A Hardness (DIN 53505):	35
100% modulus (DIN 53504):	1 - 1,2 MPa
Tensile strength (DIN 53504):	1,3 - 1,6 MPa
Tear resistance (ASTM D 624-73):	11 N/mm
Elongation at break (DIN 53504):	500 %
Skin forming time:	40 minutes approx. (20°C/50% R.H.)
Curing speed:	2 - 3 mm./24 h. (20°C/50% R.H.)
Service temperature range:	-40°C / +100°C

The values in this table must not be considered as specifications

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Final performances according to EN14891:2012	Specification	MS Cerbonding performance
Initial tensile adhesion strength:	≥ 0,5 N/mm ²	1,0 N/mm ²
Water tightness:	No penetration	0,0 g absorbed water
Crack bridging ability at 23°C-50% UR:	≥ 0,75 mm	1,5 mm
Crack bridging ability at -5°C:	≥ 0,75 mm	3,3 mm
Crack bridging ability at -20°C:	≥ 0,75 mm	2,5 mm
Durability of initial tensile adhesion against climate/heat ageing action:	≥ 0,5 N/mm ²	0.9 N/mm ²
Durability of initial tensile adhesion against water/humidity action:	≥ 0,5 N/mm ²	1.0 N/mm ²
Durability of initial tensile adhesion against contact with lime water:	≥ 0,5 N/mm ²	0.8 N/mm ²
Durability of initial tensile adhesion against freeze and freeze-thaw cycles:	≥ 0,5 N/mm ²	1.0 N/mm ²

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/m².

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.

- Apply **MS Cerbonding** to the whole surface by toothed knife (n° 4 or 5).
Consumption: 1,5 - 2,5 kg/m². 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.
- Using a specific cement adhesive for tiles in accordance to **EN 12004**.

Tools can be cleaned with **ST 513 solvent**. Once cured **MS Cerbonding** can be removed only mechanically.

Protect **MS Cerbonding** from rain for some hours after application.

STORAGE STABILITY

9 months if stored in the original sealed pack, in a dry place, at a temperature range from + 5°C to + 25°C.

STANDARD COMPLIANCE

 NB 1308
Fratelli Zucchini S.p.A.
18
DoP n° 16 10 5006151
EN 14891:2012

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Type RM reaction resin liquid-applied water impermeable product.



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