

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

PRODUCT CHARACTERISTICS

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 (professional)

- **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.

TECHNICAL DATA

Polymers and the curing system:	MS Polymer, alcoxy
Consistency:	Paste
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):	9 N/mm
Elongation at break (DIN 53504):	300%
Skin forming time (20°C/50% R.H.):	40 minutes approx.
Curing speed: (20°C/50% R.H.):	2 - 3 mm./24 h.

The values in this table must not be considered as specifications.



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APPROVALS

MS CERBONDING has been tested and classified by **EUROFINS** according to:

Regulation or protocol	Conclusion	Version of regulation or protocol
French VOC Regulation	A +	Regulation of March and May 2011 (DEVL1101903D and DEVL1104875A)
French CMR components	Pass	Regulation of April and May 2009 (DEVP0908633A and DEVP0910046A)
Italian CAM Edilizia	Pass	Decree 11 October 2017 (GU n.259 del 6-11-2017)
ABG	Pass	Anforderungen an bauliche Anlagen bezüglich des Gesundheitsschutzes (ABG), Entwurf 31.08.2017/August 2018 (AgBB)
Belgian Regulation	Pass	Royal decree of May 2014 (C-2014/24239)
EMICODE *	EC 1 PLUS	apr-19
Indoor Air Comfort®	Pass	Indoor Air Comfort 6.0 of February 2017
Indoor Air Comfort GOLD®	Pass	Indoor Air Comfort GOLD 6.0 of February 2017
Blue Angel (DE-UZ 123)	Pass	DE-UZ 123 for "Low-Emission Sealants for Interior Use", (January 2019)
BREEAM International	Exemplary Level	BREEAM International New Construction v2.0 (2016)
BREEAM® NOR	Pass	BREEAM-NOR New Construction v1.2 (2019)
LEED	Pass	v 4.1 July 2019

* This test report does not alone entitle to use the protected trademark label EMICODE.

Standard compliance



EN 14891:2012

Type RM reaction resin liquid-applied water impermeable product.

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.

1. 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.

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.



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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.



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