

**TECHNICAL DATA**

<b>Polymers and the curing system:</b>	<b>MS Polymer, alcoxy</b>
<b>Consistency:</b>	pasty
<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
<b>Modulus 100% (DIN 53504):</b>	1 - 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.ca.
<b>Curing speed (20°C @ 50% RH):</b>	2 - 3 mm./24 ore

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

**PRODUCT DESCRIPTION**

**MS RESINBOND** is one-part adhesive based on MS Polymer which cures with the humidity of the environment and the bonded surfaces. No solvents or isocyanates, not subject to shrinkage after polymerization, it develops high bonding strength, permanent elasticity, excellent moisture resistance and adhesion to substrates.

**PRODUCT CHARACTERISTICS AND USES**

- One component, ready to use without mixing.
- Absence of solvents and isocyanates
- Permanent elasticity at temperatures between -40°C and +90°C.
- Neutral reaction, absence of odor.
- Very fast polymerization.
- Good resistance to ageing and moisture.
- Acoustic insulation properties.
- Excellent adhesion to wood, concrete, ceramics, metals, plastic substrates, as PVC and synthetic floors
- High bonding strength.
- Permanently elastic
- Suitable for floors with underfloor heating.

**PROFESSIONAL USES**

- For bonding resilient floor coverings such as marine rubber, linoleum and similar, to various materials, as wood, steel, aluminum, fiberglass, leveling screed (preliminary tests are recommended), as well as cementitious screeds, ceramic.
- Particularly suitable for the laying of floors subjected to shock and vibration typical of the means of transport and boats.
- For bonding plastic laminates, metal sheets, steel, fiberglass, to themselves, to foamed materials, wooden panels, chipboard, MDF and multilayer, in the

production of sandwich panels, kitchen worktops, workbenches and panels in furniture.

- For bonding synthetic teak decks; in order to verify correct gluing, please contact the Technical Service of Fratelli Zucchini S.p.A..

**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 plasticizers.
- Furthermore, it must not be applied in totally 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 with direct UV rays exposure
- For any application not listed in this document please contact our Technical Service.

**METHOD OF USE**

Adhesion and surface preparation: the surfaces must be dry, clean and degreased. Free from dust, release agents, oily matters that could jeopardise the whole bonding. Floors have to be levelled and flat. With wooden fire retardant boards fixed to metal frame (means of transport), it is indicated to grout fixings and sealing joints, roughing the surface if necessary (to keep fire resistance standard in thickness boarding use **MS TECHNO FR**).

In flooring renovation, after old coat removal, **MS RESINBOND** shows excellent adhesion to some polyurethane

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All recommendations relating to application and use of Fratelli Zucchini S.p.A. products have been given based on Fratelli Zucchini S.p.A. knowledge and experience, for products appropriately stored, handled and applied in suitable conditions, as indicated in their respective Technical Datasheets. The variability of materials, substrates and conditions of use is such that no warranty of their functionality for a specific application can be deduced from this information, written or verbal recommendation or any other type of suggestion offered. Each user has the responsibility to complete adequate evaluations on the efficacy of the materials offered by Fratelli Zucchini S.p.A., of its products, services, recommendations and suggestions for the specific application need, and must accomplish sufficient testing to ascertain that the final product will be safe and sound for the final intent of the end-user. Fratelli Zucchini S.p.A., therefore, cannot be fit considered liable for any damage, direct or indirect even for possible wrong, incorrect and unfit use of the products.

levelling substrates used to eliminate unevenness. Previous testing is recommended.

With concrete screed, humidity has to be kept within recommended range.

- Basically not over RH 75%, or, according to the chosen method for determining, max 5% absolute moisture with concrete screed, max 5% with anhydrites.
- With substrates incorporating underfloor heating humidity range is 1,8% to 3%.

**MS RESINBOND** is even recommended for floor coverings made of concrete or marble. The surfaces must be clean, dry and free from grease before application.

Excellent adhesion to metal surfaces, free from oxidation, or treated with corrosive protections. Previously testing is always recommended. In case use **PRIMER WP**.

On to fiberglass solvent wipe with acetone, best result is reached by roughing and removing dust before application.

**Resilient floors preparation:** before laying allow the material acclimates to temperature allowing loosen internal tension, then unroll or release the sheets.

**Synthetic teak:** this particular covering requires specific tricks. Previous testing with Fratelli Zucchini is recommended.

This material is produced by different companies, so solvent wipe with **ST/198**, if not enough to guarantee adhesion with **MS RESINBOND**, treat with **PRIMER 13**.

**Adhesive application:** apply with a toothed spatula an uniform coat, such quantities as to cover within 30 minutes, at 20-25° C.

With thin sheaths minimum dose is requested.

Indicative table	consumption	g/m <sup>2</sup>	ml/m <sup>2</sup>	m <sup>2</sup> /kg	m <sup>2</sup> /lt
Toothed spatula 1 mm height		800	500	1.25	0.5
Toothed spatula 2 mm height		1600	1000	0.63	1.0

After this operation lay the covering within 30', just before skin formation, then use a roller device to improve adhesion and to remove possible bubbles air.

Assembly some wooden boards to facilitate the transition. Then put weights on the tables to put pressure. Suggested working temperature is +5° . Maximum strength is reached after 24-48 hours

For bonding non porous substrates to themselves, like fiberglass, metal, plastic laminates, ennobled panels, epoxy resin coatings, **MS RESINBOND** has to be used in combination with **MS BOOSTER** not exceeding 2%.

See **MS BOOSTER** TDS for the correct use.

**Cleaning:** tools must be solvent wiped with **Solvente ST/512**. After cured **MS RESINBOND** can be only mechanically removed

## SAFETY AND HEALTH

See Safety Data Sheet.

## STORAGE STABILITY

- Cartridge 290 ml. - validity 18 months from production date
- Sausage 600 ml. - validity 18 months from production date
- Can 5 Kg. - validity 12 months from production date
- Drum 25 Kg. - validity 12 months from production date

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

The product may increase in viscosity during storage.

## PACKAGING

Code	Colour	Packaging	Pcs./box
1004848	Grey	5 kg	-

Other sizes available on request

