



TECHNICAL DATA SHEET
ID Product Code 252MWS012
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WOOD SIL

Single component silane-terminated adhesive

WOOD SIL is a single-component hydro-curing prepolymer based adhesive with a silanic termination (MS technology). This adhesive is classified as "ELASTIC" according to ISO 17178. Recommended for gluing of pre-finished wooden floor onto marble, grit, ceramic or marble-chip floor tiles, etc. Also suitable for gluing wooden floor onto underfloor heating and cooling system. WOOD SIL has very good acoustic insulation characteristics. CERTIFICATES: EC1 PLUS. WOOD SIL can contribute to the achievement of QI CREDIT 4.1 according to the parameters of the GEV dated 03 March 2009, because it meets the certification LEED protocol (Leadership in Energy and Environmental Design).



Mixing and application

Shake well before use. The subfloor, according to local regulations, must be dry, free from cracks, uniform and completely clean from the elements that can damage its adherence. Apply WOOD SIL paying attention to lay the wood blocks side by side and knock them down well to make sure the adhesive glues well to the entire surface. Perfect adhesion to the subfloor is ensured if at least 65% of each wooden component is in direct contact with the adhesive. The application of a primer usually is not required, if the substrate is problematic (for example: absence of an impermeable layer, fragile surfaces, ignition cycle on radiant heating not carried out, anhydrite substrate, etc.), we recommend the use of a primer in order to improve the characteristics of the substrate. Subfloor with radiant floor heating, where the use of a primer is required, apply one coat of dedicate primer (see technical data sheet) and after 24 hours proceed with the application of WOOD SIL. If the subfloor is porous or friable, we suggest to apply a coat of dedicated primer. The drying time for the subsequent coats depends on the primer used (see technical data sheets). If you need to glue the wooden floor onto glazed subfloors (such as ceramic, enameled tiles or polished marble, etc.) remove and clean the surface from dust, grit, glue and waxes. Apply by cloth the adhesion dedicated promoter following the correct application time (see technical data sheet), than apply WOOD SIL. Sand the surface of anhydrite subfloors thoroughly using 24 or 36 grit sandpaper; remove dust and apply dedicated primer can be applied on the anhydrite subfloors with dedicated thinner (see technical data sheet). WOOD SIL must be acclimatized at room temperature before being applied. Sand the floor after 3-4 days, depending on the atmospheric conditions and humidity level of the wood species used. The possible excess of glue can be removed with a cleaning humid cloth. In case of left over, seal the bucket properly by using both lids to avoid waste.

Note: Do not apply WOOD SIL in presence of high evaporative fluxes as they cause the increase of pH of the substrate ($pH \geq 10$) and they cause problems with the screed/glue/wood system. In case of doubt apply one coat of dedicated primer (see technical data sheet) and after 24 hours proceed with the application of WOOD SIL.

In order to have a stabilized and dried subfloor, after a proper ageing, it is necessary to test the system and we strongly recommended to follow exactly all the instructions of the radiant floor heating producers (we suggest to view the installation certificate). A not-fully seasoned and stabilized subfloor with radiant floor heating can release plasticizers (not fully cured) and residual humidity, that can compromise the adhesion properties of the glue during the time. It is important to follow the "Best conditions for laying wooden floors" as listed in this technical data sheet.

MADE IN ITALY

Recommendations

If the product is stored for long periods at temperatures of over 30°C, the period of stability is reduced; at temperatures of over +40°C the product may be subject to thickening. Do not apply the product below 10°C or above 25 ° C. Product for professional use. Store above freezing. Before use read the recommendations printed on the label and always carry out a preliminary test.

Chemical characteristics

Appearance	Pasty
Color	Beige
Odor	Characteristic
Specific gravity at 20° C (68° F)	1,66± 0,02
Mixture ratio	single-component
Open time (max. registration time) at 20°C (68° F)	60 minutes
Hardening	36 - 48 h ⁽¹⁾
Tensile strength (ISO 17178, p.4.3) (N/mm2)	> 1,0
Classification (ISO 17178)	ELASTIC
Application temperature	+10°C ÷ +25°C
Shear strength (ISO 17178, p.4.4) (N/mm2)	> 1,0
Interval before sanding	After 3-4 days, depending on the atmospheric conditions and humidity level of the wood species used.
Shear elongation (ISO 17178, p.4.4)	>1,0
Average coverage	800/1400 g/m ² depending on the subfloor
Application method	Notched trowel N°5
Shelf life	12 months from production date in its original packaging (unopened container) (2)
(1) at 20°C and 65% R.H. (2) in original sealed containers at temperatures between +10°C and +25°C	

Application surfaces

Wood floors.

Coverage

800/1400 per g/m² .

Storage

12 months in original intact packaging and stored in a dry place.

Packing

15 KG

The buckets are in High Density Polyethylene (HDPE) (after use will have to be recycled according to the regulations on waste disposal. The packages are approved under U.N. directives rules for inland transport (ADR) and by sea (IMO) for transportation via air refer to local regulations (IATA). For further information regarding transport please check MSDS.

Safety procedures

As far as the proper working procedures is concerned, we recommend to consult Material Safety Data Sheets issued according to E.U. rules and to follow your national laws concerning safety in the working place. MSDS is available on our web site www.primaxbuild.it

Trademark and Origin of the good

PRIMAX[®] is a registered trademark of Bellinzoni company. The law considers a trademark to be a form of property and any misuse can be persecuted by law. Bellinzoni s.r.l. declares that our product WOOD SIL is MADE IN ITALY.

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