

SIGIL MS

SINGLE-COMPONENT SILANE-MODIFIED ADHESIVE

Sigil MS is a sealant adhesive based on high performance silane-modified resins; it is completely free from isocyanates, solvents and silicon. It hardens through reaction with moisture and lead to an elastic, tough and waterproof sealing, particularly suitable for seal wooden floor elements, expansion or connection joints between different kind of materials (also ceramics, marble, ecc.); during hardening no bubbles are formed and it maintains for long time its adhesion and elasticity properties.

Sigil MS is not suitable to join plastic materials like PVC, PE or similar.

Available in version White or Oak. It is available a black version, suitable for external use (see specific technical data sheet).



Technical data

| Chemical-Physical characteristics (20°C – 60% R.H.) | | | |
|---|---|---|------------------------|
| Appearance | Paste | Specific gravity | 1,50 g/cm ³ |
| Times (20°C – 60% R.H.) | | | |
| Skin formation | 30'-40' | Cutting/sanding | 3-4 days |
| Overcoating | 24 h | Hardening rate | 3 mm in 24h |
| Technical characteristics (20°C – 60% U.R.) | | | |
| Indicative consumption in linear meters each 290ml | Ribs Ø 6mm ~ 16 m | Hardness (Shore A, 14days) | 40 – 45 |
| Shear strenght DIN 53504 (14 days 23°C, 55 % r.h.) | ≥ 2 N / mm ² | Elongation to break (DIN 53504, 14 days) | ~ 400% |
| Strenght at 100% elongation DIN 53504 (14 days 23°C,55% r.h.) | approx 1N/mm ² | Application temp. | +5 up to +35 °C |
| Storage & Labelling | | | |
| Storage (original unopened packaging stored in normal conditions) | 18 months | Symbols of danger | NONE |
| Tools cleaning | When the adhesive is still fresh use Solvente di Lavaggio S/23. When hardened it can be removed only mechanically. | | |
| Packaging | Cartridges 290 ml - Sausages of 600 ml | | |

Application

Subfloor preparation.

Verify the surface is clean and dry, free from dust, greases or detached particles. Any residual of old varnishes or waxes must be carefully removed.

It's advisable that ceramic or particularly smooth surfaces have been made well rough.

No adhesion promoter is needed.

Application.

Cut the cartridge nozzle with section proportional to joint and insert it into the apposite application gun; extrude the sealant sliding on the joint deep; in this way air inclusions will be avoided. Before skin formation smooth the sealant by spatula and protect it from water and sunlight for 8-12 hours at least.

After 3-4 days (20°C), Sigil MS can be cut or sanded; it's very important to make final cutting during dry days, when the wood is shrinked, so the joint will be stressed in compression without formation of cracks and faults.

Notes

- ✓ Avoid contact with caustic solutions, chlorine bleach, acids and solvents.
- ✓ Skin formation and hardening rate can be affected by ambient conditions: high temperatures and high relative humidity lead to faster reaction and vice versa. Hardening time is also affected by dimension and deep of the join.



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- ✓ Sigil MS in most of cases can be over-coated. Nevertheless it's always advisable to make preliminary adhesion tests. Over Sigil MS when completely hardened is possible to apply oil-based products.
- ✓ For hands cleaning use Tovclean.

Safety rules

FOR PROFESSIONAL USE ONLY. Strictly respect the information reported on the labels and consult safety data sheets before use.

Disposing of waste

Dispose not used product and empty containers in accordance of local in force regulations.



WARNING: The information reported in present technical data sheet are for guidance only and they do not hold our responsibility; the environmental conditions and the employ modalities are out of our control. We advice to check that the product fits for the work to be done.

REV.7 31-07-2013. Current Technical Data Sheet replaces the previous one.