



ADEFLEX MS

HIGH-PERFORMANCE MONOCOMPONENT SILANE ADHESIVE

Monocomponent silane adhesive specifically for gluing wooden floors
Particularly suitable for critical gluing situations where very strong hold is required.

TECHNICAL CHARACTERISTICS:

- Monocomponent, ready for use
- 100% MS Technology
- High-performance (gluing)
- Improves acoustic insulation
- Hardens quickly
- Free from isocyanate and amines
- Solvent-free
- Water-free
- Suitable for outdoor use

SPECIAL PROPERTIES:

	<p>Symbol EC1 PLUS Established using GEV criteria, classified as EMICODE EC1 PLUS: very low emissions.</p>
	<p>Emission class as per French regulations.</p>
	<p>Suitable for underfloor systems</p>
	<p>Reduces footstep noise.</p>

WHERE IT CAN BE APPLIED:

- Absorbent and non-absorbent flooring (such as marble, ceramic material and Palladian flooring)
- Traditional concrete screeds
- Anhydride screeds
- Calcium sulphate screeds
- Absorbent and non-absorbent subfloors with underfloor heating or cooling systems

THE FOLLOWING CAN BE GLUED TO THESE SURFACES:

- 10 mm non-interlocking solid wood elements (lamparquet) as per the DIN EN 13227 standard
- Mosaic parquet as per the DIN EN 13488 standard
- (Industrial) solid wood strips as per the DIN EN 14761 standard
- Tongue and groove interlocking solid oak wood boards with a maximum width of 18 cm or 20 cm as per the DIN EN 13226 standard
- Multi-layer pre-finished floors as per the DIN EN 13489 standard



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SPECIFIC CHARACTERISTICS (normal conditions):

Colour:	Brown
Density (g/cm ³)	1,50
Yield (g/m ²):	800 – 1000 (g/m ²)notched trowel n° 6 (the yield of the product may vary depending on the porosity or the warpage of the surface to be treated)
Usage temperature (°C):	10 to +30
Open time	30 – 45
Ready for walking on (hours)	approx. 8-12 hours, depending on the environmental conditions
Final hardening (hours)	after 18 - 24 - hours (the ready for walking on and final hardening times vary depending on the weather conditions and the thickness of the layer applied)
Tensile shear strength	~ 1,5 MPa
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Shore A hardness	~ 45
Elongation to rupture	> 400%
Application/Equipment:	applicator (gun), notched trowel
Equipment cleaning:	water, before the product sets
Product removal:	with a clean cloth, before the product sets
Storage (months): temperature of between +5°C and +25°C	12
Disposal information	Dispose of in compliance with the local and national regulations in force.
Packs	600 ml aluminium bags
Usage limitations:	Before use, the product should be brought to a temperature of at least 15°C. Apply with relative humidity of air between 40% and 70%
GISCODE	RS10

PREPARING THE SURFACE

The surface to be treated must be compact, dry, clean and free from loose parts such as traces of wall paint, dust, wax and the like, and must be compliant with the DIN 18356 standard. Before laying, always use suitable instruments to verify the humidity of the subfloor and the wood. The humidity of the subfloor must be measured in depth (approx. 2 - 3 cm) using a carbide moisture tester in order to rule out the presence of particularly hygroscopic substances (such as pumice or vermiculite), which could release the moisture contained in them and thus cause the floor surface to swell. The humidity level must be <2% for traditional screeds and <0.2% for anhydride screeds.

Do not lay on screeds that are not protected from possible rising damp (always place an appropriate vapour seal between the screed and the flooring). On low-porosity or calcium sulphate screeds, mechanical sanding of the surface is recommended, and any residual dirt, dust or loose parts must be vacuumed off the surface. Dusting or damp cement-based subfloors must first be consolidated using a primer (such as our PRIMER WB PU or PRIMER PA 400), which helps the glue to take hold properly (see technical data sheet).

APPLICATION

Do not apply at temperatures below 10°C, otherwise optimal results may not be achieved and drying times may vary.

Application with notched trowel:

The product comes ready for use. Carefully snip open one of the corners of the 600 ml bag and squeeze out the amount of product required. Spread ADEFLEX MS evenly using a notched trowel and lay the parquet, pressing down as required. It is advisable to keep the wooden flooring at a distance of at least 8-10 mm from the walls.

Application with an applicator (gun)

The product comes ready for use. Insert the 600 ml pack into the applicator gun. Carefully snip open one of the corners of the bag, fix the extrusion nozzle to the bag and apply the glue directly to the surface. Press down carefully all over the surface so that the adhesive spreads evenly throughout the space below. It is advisable to keep the wooden flooring at a distance of at least 8-10 mm from the walls.

Before the product sets, use a cloth to remove all traces of glue. Always use adequate individual protection devices. Always consult the data and safety sheet of the product.