

# ADYWOOD MS

## DATA SHEET

One-component silane-based wood adhesive



Interior flooring



Plastic containers



Spatula for parquet

## Advantages

- One-component, ready to use and reusable
- Solvent free
- Excellent adhesion to the substrate
- No amines and isocyanates
- Excellent elasticity
- Excellent application by trowel in all seasons
- Easy to clean

## Composition

ADYWOOD MS is a one-component silane-based adhesive designed specifically for bonding pre-finished wood flooring, in any format, onto cement-based or anhydrite substrates or onto existing non-absorbent flooring.

## Supply

- Cans of approx. 15 kg

## Use

ADYWOOD MS is an adhesive for bonding pre-finished plywood flooring.

Substrates include: well-cured and dry cement or anhydrite floor screeds, long-standing concrete floor slabs, existing ceramic or marble floors, etc.

Suitable for application on floor screeds with heating/cooling systems.

Ideal, given the perfect compatibility of the materials, on SA 500, E 439, SM 485, SL 416, FASSAFLOOR THERM, SV 472 P, SR 450 or LEGEO MIX screeds and screeds made using FASSACEM binder.

## Substrate preparation

The application surface must be cured, intact, dry and free of rising damp, dimensionally stable, mechanically resistant, level and flat. Any deviations in height or horizontal unevenness on the inside can be repaired using smooth coats SL 416 or SM 485, depending on the required thickness (minimum thickness no less than 3 mm), after having applied a suitable primer based on the type of substrate. Any traces of oil, grease, wax, paints, varnishes etc. must be removed beforehand, as well as any crumbling or loose parts.

In general, the substrate must fulfil the requirements specified by the regulations in force or on the parquetry manufacturer's datasheet.

**Cementitious surfaces:** make sure that the residual humidity does not exceed the limit of 2% (1.7% on screeds with heating/cooling systems), measured using a carbide hygrometer according to the method reported in the UNI 10329 standard. Any cracks or recasting on horizontal surfaces will be structurally sealed using FASSA EPOXY 300 two-component epoxy resin. For floor screeds with insufficient surface resistance, evaluate the need to consolidate with ADW PRIMER, a specific product for this purpose, suitably diluted with ADW THINNER.

**Anhydrite surfaces:** make sure that the residual humidity does not exceed the limit of 0.5% (0.2% on screeds with heating/cooling systems), measured using a carbide hygrometer according to the method reported in the UNI 10329 standard. Any cracks or recasting on horizontal surfaces will be structurally sealed using FASSA EPOXY 300 two-component epoxy resin. In accordance with the UNI 11371 application standard, after sanding and having ascertained that the screed is dry, a suitable consolidating primer is always required; for this purpose, we recommend our ADW PRIMER, appropriately diluted with DILUENTE ADW.

**Existing ceramic, marble floors, etc.:** carefully map the area to make sure that the flooring is solidly fixed to the substrate. Make sure that the moisture content throughout the entire thickness does not exceed the limit of 2% for cementitious substrates, or 0.5% for anhydrite substrates. Carry out mechanical abrasion on the surface, followed by vacuuming and careful cleaning.

For correct application, please see the technical documents for each individual product described above.

## Mixing

ADYWOOD MS must be left to acclimatise in the environment prior to application, at a temperature above 10°C and relative humidity between 45 and 60%. The product is ready to use. Open the package, peel off the protective plastic film then spread ADYWOOD MS across the substrate using a suitable spatula with triangular notches for wood, working it several times with wide semi-circular movements to ensure perfect adhesion to the substrate; the height of the "rows" of adhesive must be proportionate to the size of the parquetry elements and the conditions of the application surface, so as to ensure at least 65% wetting on the back of each single element. Apply adequate pressure to the elements to ensure the adhesive adheres well across the entire surface, preventing the fresh glue from oozing out of the edges (in the absence of elements without interlocking). Lay the parquetry according to the requirements of the application regulations in force, it is advisable to leave a perimeter joint of at least 8-10 mm. After application, if the package has not been used completely, replace the plastic film, making sure to remove any hardened adhesive. The film must adhere to the adhesive in order to prevent air from being trapped in contact with the adhesive.

## Warnings

- Product for professional use.
- Always consult the safety data sheet before use.
- Normally, the temperature of +10°C is suggested as a minimum value for application and proper hardening of the product. Avoid applying ADYWOOD MS at temperatures above +30°C. Please note that different conditions may lead to a noticeable variation in viscosity and drying times, with less-than-optimum results.
- Do not dilute the product.
- Do not use on superficially weak or crumbling substrates.
- Install the flooring after having started the underfloor heating system the first time.
- Before laying the wooden covering, make sure that the humidity of the plywood parquetry being laid is between 5 and 9%.
- Do not use in rooms that do not have windows or closures.
- Do not apply adhesive on the sides of the parquetry.
- Before application, external doors and windows must be fitted, complete with glass; internal humidity must not be greater than 60%.
- For other substrates, contact Fassa Technical Service at [area.tecnica@fassabortolo.it](mailto:area.tecnica@fassabortolo.it).
- Do not use on floors that may be affected by rising damp; make sure that in the stratigraphy, a vapour barrier has been inserted with  $S_d$  (equivalent air thickness) in compliance with current application regulations.
- The tools used for application can be cleaned of fresh adhesive using a dry cloth.
- Dispose of contents / container in accordance with national regulations.

**ADYWOOD MS it must be used in its original state without the addition of foreign materials.**

## Storage

Protect from frost. If stored in a suitable environment, in its original packaging, the material has a shelf life of 12 months. Once the product has expired, it must be disposed of in accordance with current legislation.

## Quality

ADYWOOD MS is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and controlled.

## Technical Data

|                                 |   |
|---------------------------------|---|
| Appearance                      | Paste   |
| Specific gravity of the powder  | approx. 1.3 kg/l  |
| Dry residue at 105°C            | approx. 60%   |
| Viscosity (Brookfield) at +20°C | 80,000-100,000 cPs  |
| Workability time                | approx. 60 minutes  |
| Walkability                     | 2-3 days depending on temperature and humidity conditions |
| Consumption                     | 0.8-1.1 kg/m <sup>2</sup>                                 |
| Application temperature         | from +15°C to +25°C                                       |
| Maximum application humidity    | 75%   |

The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: [area.tecnica@fassabortolo.com](mailto:area.tecnica@fassabortolo.com), ES: [asistencia.tecnica@fassabortolo.com](mailto:asistencia.tecnica@fassabortolo.com), PT: [assistencia.tecnica@fassabortolo.com](mailto:assistencia.tecnica@fassabortolo.com), FR: [bureau.technique@fassabortolo.fr](mailto:bureau.technique@fassabortolo.fr), UK: [technical.assistance@fassabortolo.com](mailto:technical.assistance@fassabortolo.com)).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.