

Technical Data Sheet

AS-5520 Timber Adhesive 5520



Physical Properties

Appearance:
Viscous liquid

Wet tack:
Aggressive

Colour:
Yellowish

Storage:
Store in a dry and cool place
with temperature below 30 °C.

Shelf life:
12 months

Packaging:

Content	Quantity/ carton
20 kg plastic pail	1
20 kg paper carton	1
20 kg recycled pail	1

Description

ALSEAL Timber Adhesive 5520 is a fast setting water-based adhesive featuring high solid content (low water content) thus suitable for bonding of various types of moisture sensitive timber in wood flooring applications. It is an easily trowelable thixotropic paste available in beige colour. It dries to form a strong bond between timbers, and is resistant to normal hygrometric movements of wood and the thermal expansion of substrates.

Features

- ♦ Fast setting
- ♦ High solid content (Low water content)
- ♦ Bonding moisture sensitive timber

Applications

Ideal for the bonding of moisture sensitive timber in wood flooring applications, including parquet or morsaic, industrial parquet and floorboards of all types of wood, multi-layer pre-finished parquet of small format. It may be used on cement-based screeds, wooden substrates, shipboard panels, Masonite panels etc.

Technical Data

Solid content	: 49%
Viscosity (Spindle 6 @ 10rpm)	: 38,000 cps
Specific gravity	: 1.30 gm/ml
Lap shear strength (wood-to-wood)	: 10.1 N/mm ²
VOC Content (USEPA Method 24)	: 24.24 gm/ml

Usage Instructions

Substrate Preparation

1. Substrates must be dry, absorbent, level, sound, free of dust, loose particles, paint, wax, oil, rust and traces of gypsum.
2. The moisture content of the screed must be lower than the maximum prescribed by the timber manufacturer.
3. Check moisture throughout the entire thickness of substrates, using carbide hygrometer.
4. Floating screeds over insulation or light weight (e.g. light weight concrete) and slabs on grade must be provided with a moisture barrier to prevent rising damp.
5. To repair cracks in the substrate, consolidate screeds and level uneven surfaces.

Adhesive Applications

1. Stir the adhesive before using. Remove the skin surface, if any.
2. Apply the adhesive to the substrate with notched trowel suitable to the format.
3. The open time is 30 minutes under normal temperature (10 °C to 40 °C) and humidity conditions, which must be taken into consideration when applying the adhesive.
4. If skin forms on the adhesive before parquet installation, the adhesive must be removed and replaced.

Parquet Installation

1. The parquet to be installed must be stored in a dry, sheltered area not subject to the vapour condensation and must be insulated from the ground.
2. Check the moisture content of the timber and the ambient humidity before installation.
3. Press the wood parquet firmly onto the wet adhesive to ensure good contact.
4. Leave a gap of approximately 10mm width around the perimeter, columns, and any elements crossing the floor.
5. Do not bond edges of wood strips together. (follow the parquet manufacturer's recommendations for installation)



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Curing Time

Floors are set to light traffic after 48 hours. For parquet polishing, wait for at least 10 days to ensure that the wood has reached the proper stability and that the adhesive is completely dry.

Consumption

Depending on the type of substrates and notched trowel selection, the adhesive consumption range from 0.6 kg to 1.0 kg / m². For laminated plank, the recommended adhesive coverage is at least 80 %. For solid wood, minimum 95 % adhesive coverage is required.

Limitation

Not recommended for the following applications:

- ◆ Use in very cold areas. In cold weather, rooms must be heated.
- ◆ Use on anhydrite or magnesium screed.
- ◆ Use on screeds where there may be possible rising damp (must insert a moisture barrier between ground and the screed).
- ◆ Use if the screed is not dry and has a moisture content higher than recommended by the wood manufacturer (check moisture content throughout the entire thickness).

Caution

Keep out of reach of children. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

Disclaimer

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.