

ACOULIME™ 3 in 1

Isocyanate and solvent free, high elastic strength timber flooring adhesive with moisture vapour barrier.

Product Description

ACOULIME 3 in 1 is a ready-to-use, high-elastic strength wood flooring adhesive based on Silyl Modified Polymer (SMP)

Areas of application

Suitable for full surface bonding of solid timber, and engineered timber onto existing timber flooring, particleboard, chipboard, plywood, concrete slabs, cured floor levelling compounds, ceramic tiles, marble and marble tile flooring, with the added advantage for use with subfloor heating.

Certificates and Compliances

DIN EN 13556 compliant (European standard for timber flooring adhesives)

Advantages

- No Isocyanates and solvents present.
- Contains a moisture vapour barrier.
- One step cost effective process, saving time and money
- Ready to use, no mixing required.
- Easy troweling with smooth consistency
- Added benefit of low viscosity, with excellent ridge holding.
- Rapid grab.
- High filling capacity.
- Reduces stress on the substrate.
- Elastic.
- Firmly bonds all types of timber flooring to substrate.
- The elasticity of the adhesive ensures reduction of the transverse stress between the substrate and timber flooring.
Suitable for use with subfloor heating.
- Residues on flooring can be easily removed with a water dampened cloth (pH. neutral) while still wet or peeled off boards when dry.
- Easy to remove from hands
- Very low emission.
- Available in 600ml sausages and 16kg tubs.

Surface Preparation

Prior to installation of the timber flooring, all substrates including concrete slabs, cured floor levelling compounds, existing timber flooring, particleboard, chipboard, plywood or ceramic tiles and marble, must be clean and sound (structurally, no flaking or loose material) and dust free, with no traces of waxy residue, coatings, powder, grease or oil etc. present.

If the subfloor is an existing timber floor the surface must be sanded back to remove any coating and vacuum cleaned to remove dust.

Existing ceramic and marble flooring substrates must be free from oily substances, grease or residues of acid or basic detergents due to cleaning.

Subfloors, where the flooring is only fixed in place by the adhesive, need to be flat to within 3mm beneath a 3m straight edge.

Concrete Moisture Assessment: A 'dry' slab is signified by impedance moisture meter readings of up to 2.0% and in-slab relative humidity (RH) below 75%. Where floors have been covered by previous floor coverings acceptable values are generally up to 3.5% and 80% in-slab RH. High readings require investigation as to possible moisture sources and may require more than the slab moisture protection outlined in this data sheet.

PLEASE NOTE: Surface preparation, cleaning and careful drying is essential for the adhesive to form a strong lasting bond with the flooring substrate.

Pre-Adhesion tests are strongly advisable before proceeding.

Application conditions

Ambient Temperature

Apply at a temperature between 5°C and 40°C.

The optimal temperature is between 15°C and 25°C.

Ambient Humidity

Apply at a humidity between 40% and 80%

Coverage

Approx. 14m² per 16 kg tub. 0.90m² per 600ml sausage
Dependent on substrate type, a 4mm V Notch Trowel is recommended with full bed application. Monitor trowel angle and wear to ensure the application rate is maintained.

Packaging

600ml Sausages
16 kg Plastic tub.

Application

Solid and and engineered timber flooring must be installed to manufacturer's instructions and adhere to ATFA industry standards.

Once the tub has been opened, remove the aluminium foil covering the product and set aside, to reuse later if required.

Apply AcouSlime 3 in 1 adhesive with a 4mm V notch trowel, (to achieve moisture vapour barrier) distributing it evenly to obtain a good 'wetting' of the surface. Proceed with laying the timber flooring within 60 minutes of application to substrate.

A full bed that is correctly applied, will provide moisture vapour protection based on the subfloor moisture levels provided above.

Position the timber flooring in place with the necessary pressure to ensure good contact between the timber flooring and the adhesive. Leave a border of at least 10mm between the timber flooring and the wall; or the requirement indicated by manufacturer's installation instructions for timber flooring being used.

Any excess adhesive on the top of the boards should be wiped off thoroughly as you go with a water dampened cloth. (pH. neutral) Any residue can be peeled off when dry, however this may be more time consuming.

In the case of partial use of a tub, cover the adhesive using the aluminium foil that was set aside, ensuring it adheres to the product and firmly close the tub lid. The tub must be used up generally within a week, once opened.

The product must not be diluted in any manner.

Cleaning of equipment

When the adhesive has still not hardened, it can be removed from the trowel using some paper or a wet cloth. Once it has hardened, then removal must be effected mechanically. When the product has cured it can be disposed of into regular waste due to its non toxicity.

Health & Safety

Avoid contact with skin and eyes. Consult product-specific Safety Data Sheet for all safety and environmental information concerning use and disposal of this product.

Manufacturers Guarantee

AcouSlime 3 in 1 is guaranteed for a period of 10 years from date of application, providing the Adhesive is used and stored according to Technical Data Sheet guide lines. Further detail available on request.

Shelf Life & Storage Conditions

Shelf life: 12 months from date of shipping when stored in unopened container at or below 23°C (73°F) with 70% relative humidity.

Avoid damp areas and temperatures over 35°C.

Technical Data

TYPICAL PROPERTIES		
PROPERTIES	A-J240	Test Method
Chemistry	Silyl Modified Polymer	
Appearance	Thixotropic	
Colour	Oak	
Curing-Mechanism	Moisture-cure	
Tack free time at 23°C and 50% r.h	60 minutes	DIN 53505
Tensile strength	1.0 N/mm ²	DIN 14293 ²
Shear strength	1.3 N/mm ²	DIN 14293 ²
Tear Strength	2.2 KN/m	ISO 34-1
Application temperature	+5 to +40°C	DIN 53504
Laying time	1 hours	DIN 53504
Set to Traffic	12 hours	DIN 53504
Sanding / Sealing	3 days	-
Final Strength	6 days	-
Operating temperature	-10 to + 60°C	
Temperature resistance	-40 to + 90°C, for short period up to 120°C	
Water Vapour Permeability Test	<0.75	ASTM E96 / DIN 52615

The information contained herein is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty, or guarantee is made regarding its accuracy, reliability, or completeness by Sublime Flooring Group or any of its affiliates. It is the responsibility of the user to assure the suitability and completeness of such information and any depicted product for the particular use of the user. Sublime Flooring Group and its affiliates accept no liability for any loss or damage that may occur from the use of this information or any depicted product. Sublime Flooring Group and its affiliates specifically and expressly disclaim any and all warranties, express or implied, including warranties of merchantability, fitness for a particular purpose, and freedom from claims of infringement of the rights of others associated with the sale or use of any product depicted. Sublime Flooring Group and its affiliates further disclaim any liability for consequential or incidental damages of any kind, including lost profits.