

Technical Datasheet

Item Code: A327010A | Rev.: 22-05-2025 | Ver: 4.0

ADESIVER 327 PU

Two-component polyurethane adhesive for wooden floors



Description

ADESIVER 327 PU is a two-component polyurethane adhesive without any epoxy modification with very low emission of volatile compounds: CERTIFIED EC1 Plus. This adhesive is classified as "HARD-ELASTIC" according to ISO 17178. ADESIVER 327 PU has been formulated to answer the needs of those workers that do not want to renounce to the typical characteristics of adhesives with 100% of non-volatile matters, but they are allergic to epoxy adhesives.

ADESIVER 327 PU can contribute to the achievement of QI CREDIT 4.1 according to the parameters of the GEV dated 03 March 2009, because it meets the certification LEED protocol (Leadership in Energy and Environmental Design).

Destinations: ADESIVER 327 PU is suitable to lay off joists in any sizes including strips, without requiring the pre-laying of wood fillets. It is furthermore recommended, since water free, to glue pre-finished wooden floor and pre-calibrated one. Also suitable for laying on substrates with heating and cooling system.

Characteristics

Mixture ratio	10/1
Application temperature	+10°C ÷ +25°C
Application	notched trowel n. 5
Pot-Life	50'- 60' ⁽¹⁾
Hardening	36-48 h ⁽¹⁾
Coverage	1200-1800 g/m ² depending on the subfloor.
Colour	oak, walnut
Classification (ISO 17178)	HARD-ELASTIC
Shear strength (ISO 17178, p.4.4)	>2 N/mm ²
Shear elongation (ISO 17178, p.4.4)	>0,5
Thinning (if necessary)	DILUENTE DMC 50
Tool cleaning	DILUENTE DMC 50 (with fresh adhesive)
Storage stability	1 year ⁽²⁾
Packaging	13 kg (11,8+1,2)

1 at 20°C and 65% R.H.

2 in original sealed containers at temperatures between +10°C and +25°C

Laying conditions

Subfloor

dry, clean, no-dust creating, not too rough.

Humidity of subfloor

2,0% max with cement subfloors

1,7% max with radiant heating subfloors

0,5% max with anhydrite subfloors

0,2% max with radiant heating anhydrite subfloors

Wood humidity

9%±2 for solid wood elements and parquet mosaic (UNI EN 13226, UNI EN 13227, UNI EN 13228 e UNI EN 13488)

7%±2 for plywood elements (UNI EN 13489)

These information are given from the best of our knowledge and technical experience. They are of general character and not binding in any way our company. Every single case should be put to a practical test by the user who assumes the full responsibility of the final result of his work.

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Other uses

Adhering of heat and sound insulating panels (cork, expanded polyurethane, rock-wool).

Adhering of tiles on asbestos cement and chipboards.

Adhering of wood and building materials (ceramics, stoneware-marble tiles) on to metal bases.

How to use

Shake well before use.

Do not dilute ADESIVER 327 PU with alcohol. After mixing the two-components, spread ADESIVER 327 PU with a notched trowel uniformly on a clean subfloor, working the adhesive to incorporate any residual dust. Proceed with the laying ensuring that the wood elements are put together properly and gently hammered in order to ensure full contact with the adhesive. Perfect adhesion to the subfloor is ensured if at least 65% of each wooden component is in direct contact with the adhesive. In presence of dust-creating and porous subfloors, we recommend to apply first one coat of PRYMER A, PRYMER PUB 77 or PRYMER SF 1105 (see technical data sheets). After 24 hours, proceed with the application of the adhesive. In presence of humid subfloors, we recommend to apply first of PRYMER PUB 77, PRYMER SF 1105, PRYMER EPOX WETT, PRYMER 100 or PRYMER FAST 500 (see technical data sheets). If the wooden floor has to be laid on glassy surfaces (ceramic tiles, enamelled tiles, polished marble, etc.), remove and clean the surface from dust, grit, glue and waxes. Apply by cloth the adhesion promoter DILUENTE APA following the correct application time (see technical data sheet), then apply ADESIVER 327 PU. The subsequent sanding can be operated after 3-4 days according to the atmospheric and the wooden floor's hygrometric conditions. We do not recommend to dip the heads of the tiles into the ADESIVER 327 PU while laying them. If necessary, dip the heads of the wood into a dispersion adhesive as PARKETTKOLL products (see technical data sheets) which has a very strong wood to wood adhesion avoiding also the typical "slipping" of the elements. The subsequent sanding can be operated after 3-4 days according to the environment weather and room conditions. When laying down pre-lacquered wooden floor, if a wood piece gets accidentally dirty with glue, clean immediately with DILUENTE PULIPAR or DILUENTE PULIPAR W (see technical data sheets). We recommend, while using ADESIVER 327 PU, to use all the personal prevention systems.

In case of anhydrite subfloors, thoroughly sand using 24 or 36 grit sandpaper; remove dust and apply primer using PRYMER SF 1105 (diluted 10% with water) or PRYMER PUB 77 with DILUENTE DMC 50 thinner at a ratio 70:30. Apply ADESIVER 327 PU and the next sanding should take place after 3-4 days, depending on the atmospheric conditions and humidity level of the wood species used.

Note:

Do not apply ADESIVER 327 PU in presence of high evaporative fluxes as they cause the increase of pH of the substrate ($\text{pH} \geq 10$) and they cause problems with the screed/glue/wood system. In case of doubt apply one coat of PRYMER SF 1105 (see technical data sheet) and after 24 hours proceed with the application of ADESIVER 327 PU.

Label elements

For more information about the safe use of the product it is recommended to consult the latest version of the Safety Data Sheet.

Web link

Be sure to have the latest version of this technical data sheet downloadable also from the following link:



http://www.chimiver.com/tds/EN_ADESIVER_327_PU.pdf

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