ADESIVER 501 EP

Two-component epoxy-polyurethane adhesive for wooden floors, free of solvents

HARD ELASTIC ISO 17178

plastica seconda vita MIX ECO

¤Description

ADESIVER 501 EP is an odorless, free of solvents and water two-component epoxy-polyurethane adhesive. This adhesive is classified as "HARD-ELASTIC" according to ISO 17178.¤
Destinations: suitable to lay all kinds of wood and in any size including strips, without requiring the pre-laying of wood joists and with previous suitable treatment onto not absorbing preexisting subfloors (ceramics, tiles, marble, palladian, gres, etc). Suitable for gluing onto heated subfloors.

¤Characteristics

Mixture ratio	9/1
Application temperature	+10°C ÷ +25°C
Application	notched trowel n. 5
Pot-Life	2 h [1]
Hardening	36-48 h [1]
Coverage	1200-1800 g/m² depending on the subfloor
Colour	oak, walnut
Classification (ISO 17178)	HARD-ELASTIC
Shear strength (ISO 17178, p.4.4)	>2 N/mm2
Shear elongation (ISO 17178, p.4.4)	>0,5
Storage stability	1 year [2]
Packaging	12,5kg (11,25+1,25)
Tool cleaning	DILUENTE ACETONE - DILUENTE DMC 50 (before the hardening of the adhesive)

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)

¤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

Before use, mix the product until it is uniform.

After mixing the two components, spread ADESIVER 501 EP with a notched trowel uniformly on a clean subfloor embodying possible dust present on it. Proceed with the laying ensuring that the wood tiles are put together properly and gently hammered so as to make the adhesive adhere well to the whole surface. 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, PRYMER SF 1105, PRYMER FAST 500 or PRYMER 100 (see technical data sheets). After the complete drying of the treatment proceed with the application of the adhesive.

In presence of humid subfloors, we recommend to apply first PRYMER PUB 77, PRYMER FAST 500, PRYMER SF 1105, PRYMER 100, PRYMER EPOX WETT or PRYMER WB 328 S (see technical data sheets). We do not recommend to dip the heads of the tiles into the ADESIVER 501 EP while laying them. If need be, dip the heads of the tiles into a vynilic (PARKETTKOLL) adhesive which has a very strong wood to wood adhesion avoiding also the typical "skidding" of the tiles.

If the wooden floor is 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), than apply ADESIVER 501 EP. The subsequent sanding can be operated after 3-4 days according to the atmospheric and the wooden floor's hygrometric conditions.

In case of anhydrite subfloors, thoroughly sand using 24 or 36 grit sandpaper; remove dust and apply primer using PRYMER SF 1105 (do not dilute) or PRYMER PUB 77 with DILUENTE DMC 50 thinner at a ratio 70:30. Apply ADESIVER 501 EP and the next sanding should take place after 3-4 days, depending on the atmospheric conditions and humidity level of the wood species used.

When laying down pre-lacquered wooden floors, if a wood piece gets accidentally dirty with glue, clean immediately with DILUENTE PULIPAR or PULIPAR W (see technical data sheets). We recommend, while using ADESIVER 501 EP, to use all the personal prevention systems.

Preparation of synthetic mortars

ADESIVER 501 EP mixed with QUARZ (see technical data sheets) and then diluted with DILUENT APA, can be used to prepare to obtain a mortar of desired consistency, in the following ratio (9:1) can be used as a shaver for the preparation of synthetic mortars.

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Note:

Do not apply ADESIVER 501 EP in presence of high evaporative fluxes as they cause the increase of pH of the substrate (pH>=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 501 EP.

Shipping notes.

If the storage temperature exceeds +25°C, the time of storage is noticeably reduced, at temperatures above +50°C there is a real risk of thickening/gelatinization of the product even in the original packaging. For transport by sea it's advisable to use the special thermo-containers.

¤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_501_EP.pdf

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 pratical test by the user who assumes the full responsability of the final result of his work.

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