

Tovcol PU2C

Two-component polyurethane adhesive

Two-component odourless polyurethane adhesive completely free of water and solvents; it can be used to lay both solid and engineered wood of any size on any kind of subfloor, even non-absorbent ones (ceramics, marble, etc).

After hardening, because of the chemical reaction between the two components, you can get a strong mix with high adhesion performance on various kinds of subfloors.

Tovcol PU 2C guarantees high workability, elasticity and a long pot-life. It is suitable for underfloor heating. Thanks to its solvent-free features it is also user and environmental-friendly.

Technical data – 20 °C – 60% R.H.

Aspect	Dense paste
Use ratio	9:1 by weight
Mix density	1,730 kg/litre
Mix viscosity	50000 mPas – Brookfield, spindle 7, 50 rpm
Pot-life	45 – 60 minutes
Blocking time	6 – 8 hours
Light traffic	24 hours
Sanding	2 – 3 days
Yield	800 – 1300 g/m ² – 10 mm spatula
Shear strength	> 3,5 N/mm ² according to UNI EN 14293
Application temperature	From + 10 °C to + 35 °C
Storage	12 months in original sealed packaging – Frost sensitive
Tool cleaning	Diluente di Lavaggio S/23; if hardened you can remove it only mechanically
Cleaning of adhesive marks on engineered wood	Not hardened adhesive – with Stripcoll
Packaging	9 + 1 Kg buckets
Colours available	Light wood – dark wood

Subfloor preparation

Concrete subfloors must be even, resistant to compression and traction, free from dust and detachable parts, not too rough and absorbent. Greasy residues, previous adhesives or other treatments must be removed.

Anhydrite screeds must be sanded, vacuumed and, if excessively dusty, treated with an anti-dust primer such as Nanofix. If the humidity level is too high, they must be treated with a waterproofing primer such as Toverfix, Primer PU100, Primer PU-FIX 60 or Adeblok T19 (for the choice of primer consult the relative technical data sheets).

Cracks and fissures on concrete subfloors must be repaired using synthetic mortars made with primer Adeblok T19 mixed with Quarzo Puro (sand) or Primer PU-100.

The residual humidity content for cementitious subfloors must not exceed 2%; for those based on gypsum or anhydrite it must not exceed 0.5%; for underfloor heating, the residual humidity must not exceed 1.7%.

Cementitious screeds with high residual humidity (max. 5%) must be treated with anti-moisture primers such as Toverfix, Primer PU-FIX 60, Primer PU100 or Adeblok T19.



Adhesives
& Sealants

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Certifications



Tover S.r.l.

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Poor, friable and not compact subfloors must be consolidated with a primer like Primer PU-100, Adeblok T19, Toverfix or Primer PU-Fix 60 or with Primer TS, only if there are no humidity issues. In extreme case the screeds must be removed and replaced.

The same primers, when duly diluted, can be used as consolidating anti-dust products, if the screeds are poor or dusty.

Uneven or insufficiently flat concrete subfloors must be levelled with a suitable product, such as Rockfloor F10 self-levelling product (see technical data sheets); or by making synthetic mortars by mixing Quarzo Puro with Primer Adeblok T19.

Existing ceramic, granite, marble or similar floors must be well roughened and degreased; in the presence of humidity (max 5%) they must be treated with the three-component primer Idroblok C3 (consult the relative technical data sheets). On ceramic floors, it is possible, after thorough cleaning, to use the adhesion promoter called P.E.P.P.

You can compensate any defects in the flatness of these subfloors with the Rockfloor F10 self-levelling product after treatment with a suitable adhesion promoter Primer C4 (see technical data sheets).

If necessary, heated subfloors can be consolidated using Primer TS before switching on. Alternatively, after lighting before laying, a solvent-free primer such as Primer PU100 or Adeblok T19 can be used (see technical data sheets).

In any case, heated subfloors cannot be waterproofed, any residual humidity must be eliminated by switching on the heating system before installation.

Wood floor laying

Prepare the mixture by pouring component B into the container of component A, mix thoroughly using an electric mixer (drill) until a homogeneous and uniform paste is obtained. Manual mixing is not sufficient to obtain a homogeneous mixture.

Apply the paste with Tover nr 5 notched trowel (10 mm tooth) on the suitably prepared subfloor and lay the wood floor planks by exerting light pressure on them to facilitate complete and uniform contact with the adhesive.

We recommend to always mixing the complete package, errors in the use ratio can lead to various problems such as poor mechanical properties and lacquering defects in correspondence with the joints between the planks.

During installation, avoid wetting the side of the planks with adhesive, this incorrect practice prevents the natural dimensional movements of the wood and over time can cause abnormal large cracks or, in extreme cases, even breakage of the planks. On the contrary, we recommend treating the top of the planks with Tovcol SE vinyl glue to reduce the so-called 'soap effect', improving the walkability on the floor during installation (see the technical data sheet of the Tovcol SE adhesive).

For an optimal installation, we recommend to apply a quantity of adhesive higher than 60-70% of the entire surface, at a temperature not lower than 10 ° C and relative humidity not higher than 80%.

The cleaning of the surfaces, in particular pre-lacquered surfaces, from residues of Tovcol PU2C must be carried out when the adhesive is still fresh using the specific Stripcoll cleaner.

Once hardened, the adhesive can be removed with difficulty and only mechanically.

Notes

Before laying, measure the humidity of the laying surface and the wooden elements to be laid.

Do not bond on screeds treated with vinyl primers.

Leave a space of about 1 cm on the perimeter of the room to allow the expansion of the wood.

Do not use the adhesive for bonding outdoors.

Tovcol PU 2C is a completely water free adhesive; this allows the laying of any wood floor size (planks, slats, etc) with or without tapping; in the case of large sizes we recommend to place weights on the surface for the first hours.

Safety rules

Product for professional use. Strictly respect what is stated in the labelling and consult the safety data sheet before using the product.

Disposal

Dispose of unused product and empty packaging in accordance with the provisions of current legislation.



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The information contained in this technical data sheet are for guidance only and they do not hold our responsibility. Adapt the use of our products to the environmental conditions and materials to be treated.

Rev 02 – 02/02/2018. Current Technical Data Sheet replaces the previous one.