

Tovcol TA

Two-component epoxy-polyurethane solventless adhesive

Odourless two-component epoxy-polyurethane adhesive, water and solvent free to bond solid and engineered wood floors of any dimension on concrete, anhydrite screeds, non absorbent subfloors like ceramic tiles, marble, metallic supports. After hardening through the chemical reaction between the two components, the result is a strong mass with high adhesion properties.

Tovcol TA guarantees high workability, elasticity and a lot pot life. Suitable on under heating.

The lack of solvent and the very low VOC give a low impact on the Environment and a high security level for the installer.

Technical data at 20 °C and 60% r.u.

Appearance	Dense paste
Mixing ratio	9:1 in weight
Mix density	1,790 kg/litre
Pot life	2 hours
Blocking time	5 – 6 hours
Light traffic	24 hours
Sanding	2 – 3 days
Consumption	1,0 – 1,5 kg/m ² – 10 mm trowel
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 packaging at temp > 10 °C
Cleaning of tools	Diluyente di Lavaggio S/23, if hardened it can only be removed mechanically.
Cleaning of glue residues on pre-finished parquet	Unhardened adhesive - Stripcoll cleaner
Packaging	Buckets of 9,1 + 1,1 kg
Colours available	Light woods, dark woods

Subfloor preparation

Before laying, check that the rooms meet the necessary requirements for laying wooden floors. Cementitious substrates must be flat, resistant to compression and traction, free from dust and loose parts, not excessively rough and absorbent. Any oily residues, old glues 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 (> 0.5%) they must be treated with a waterproofing primer such as Idroblok 2K, Toverfix, Primer PU100, Primer PU-FIX 60 or Adeblok T19 (to choose the primer, consult the relative technical data sheets).

Cementitious screeds with high residual humidity (max. 5%) must be treated with an anti-humid primer such as Idroblok 2K, Toverfix, Primer PU-FIX 60, Primer PU100 or Adeblok T19. Substrates that are not sufficiently solid and compact must be consolidated with a suitable primer such as Idroblok 2K, Primer PU 100, Toverfix, Adeblok T19 or Primer PU-Fix 60, if there are no humidity problems, Primer TS can also be used. In extreme cases the screeds will have to be removed and replaced.

Any cracks in the concrete surfaces can be repaired using synthetic mortars obtainable with Adeblok T19 mixed with Quarzo Puro.



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The residual moisture content for cementitious substrates must not exceed 2%; for those based on gypsum or anhydride it must not exceed 0.5%; for heated floors, the residual humidity must not exceed 1.7%

Uneven or insufficiently flat substrates must be levelled with a suitable product, such as the Rockfloor F10 self-leveling product (see technical data sheets); or by making synthetic mortars by mixing Quartz Puro with Primer Adeblok T19. Pre-existing ceramic, granite, marble or similar floors must be well roughened and degreased, alternatively, after thorough cleaning, it is possible to use the P.E.P.P. adhesion promoter. In the presence of humidity (max 5%) these surfaces can be waterproofed with our three-component primer Idroblok C3 (consult the relative technical data sheet). Any flatness defects can be compensated for with the Rockfloor F10 self-leveling product after treatment with a suitable adhesion promoter Primer C4 (see technical data sheets).

If necessary, heated substrates can be consolidated using Primer TS before switching on. Alternatively, after the first heating before installation, a solvent-free primer such as Primer PU100 or Adeblok T19 can be used (consult the technical data sheets). In any case, the heated substrates cannot be waterproofed, any residual moisture present must be eliminated by turning on the heating system before installation.

Parquet bonding.

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 thus obtained with Tover number 5 notched trowel (tooth 10 mm) on the suitably prepared substrate and lay the parquet strips by exerting light pressure on them to facilitate complete and uniform contact with the adhesive.

We recommend to always mix the complete package, errors in the use ratio can lead to various drawbacks such as poor mechanical properties, paint defects in correspondence of the joints between tablets and in some cases even the appearance of white joints. During installation, avoid wetting the side of the slats 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 boards. On the other hand, we recommend that the boards be made with Tovcol SE vinyl glue to contain the so-called 'soap effect', improving the foot traffic on the floor during installation (see the technical data sheet of the Tovcol SE adhesive).

For an optimal installation it is recommended 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 the pre-finished parquet, from residues of Tovcol TA must be carried out with the adhesive still fresh using the specific Stripcoll cleaner. Once hardened, the adhesive can be removed with difficulty and only mechanically.

Notes

- Before laying it is compulsory to measure the moisture content of the surface and wood.
- Do not bond on screeds treated with aceto-vinyl primers.
- Leave a space of 1 cm all around the walls in order to enable wood dilatation.
- Do not use the adhesive for outdoor bonding.
- Tovcol TA is water-free and thus enables to lay any wood dimension. In the case of large sizes we recommend to put some weights on the surface during the immediate hours after laying.

Safety rules

For professional use only. Strictly respect the information reported on the labels and consult the safety data sheet before using the product.

Waste disposal

Dispose not used products and empty containers in accordance to local in force regulations.



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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 11 – 23/03/2023.. Current Technical Data Sheet replaces the previous one.

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