

# Tovcol TP2C Solvent Free

## Two-component epoxy-polyurethane adhesive

Odourless two-component epoxy-polyurethane adhesive, water and solvent free to bond solid and engineered wood floors of any dimension on concrete, anhydride 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 TP 2C SF guarantees high workability, elasticity and a lot pot life. Suitable on under heating. The lack of solvent and the very low VOC content give a low impact on the Environment and a high security level for the installer.

### Technical data at 20 °C, 60% r.u.

Aspect	Dense Paste
Ratio	9:1 in weight
Mix density	1,690 kg/l
Mix viscosity	49000 mPas – Brookfield, spindle 7, 50 giri/min
Pot Life	2 hours
Blocking Time	8 – 10 hours
Light traffic	24 hours
Sanding	2 – 3 days
Yield	900 – 1400 g/m <sup>2</sup> – 10 mm trowel
Shear strenght	> 3,5 N/mm <sup>2</sup> according to UNI EN 14293
Application temperature	From + 10 °C to + 35 °C
Storage	12 in original packaging at temp. > 10 °C
Tools cleaning	Diluyente S/23, if hardened only mechanically
Pulizia residui di colla da parquet prefinito	If still fresh with Stripcoll – once dry easily mechanically
Packaging	9 + 1 kg buckets – 4,5 + 0,5 kg buckets
Colours available	Light wood, dark wood

### Subfloor preparation

Before laying the floor check that the rooms have window frames suitable for a wood floor installation.

Concrete screeds 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. The residual moisture must be less than 2%. If moisture is high (max. 5%) it is necessary to treat the surface with DPM primers like Primer PU-100, Adeblok T19, Toverfix or Primer PU-Fix 60.

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

Uneven concrete screeds must be levelled with a suitable self-levelling compound like Rockfloor F10 or with synthetic mortars composed of Adeblok T19 mixed with Quarzo Puro.

Poor, friable and not compact subfloors must be consolidated on the surface with a primer like Primer PU-100, Adeblok T19, Toverfix or Primer PU-Fix 60 or deeply, if necessary, with Primer TS.

Anhydride subfloors must be sanded, cleaned with a vacuum cleaner and if too dusty, treated with an antidust primer like Nano-fix. The maximum moisture content for a correct laying for gypsum and anhydride screeds is 0,5%.



Adhesives &  
Sealants

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### Certifications



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### Certifications



Heating sub-floors can be consolidated, if necessary using Primer TS or other solvent free primers like Primer PU-100 or Adeblok T19 before switching the heating system on. Maximum residual humidity must be less than 1,7% and in any case moisture can be removed switching on the heating system as no water-proofing treatment can be done.

Existing subfloors in ceramic tiles, sandstone, marble or similar materials must be scratched and well degreased. In case of high moisture (up to 5%) they must be treated with the water-proofing three-component primer Idroblok C3. On accurately cleaned ceramic, it is possible to use the adhesion promoter P.E.P.P.

If subfloors are in extremely bad conditions moisture content is too high, their removal may be necessary.

### Wood floor bonding

Prepare the mix pouring B component into A component bucket, accurately mix it with an electric mixer till getting a homogeneous and uniform paste. Manual mixing is not enough to get the right homogeneity of the blend.

Apply the paste with Tover Nr. 5 notched trowel (10 mm teeth) on the already prepared subfloor and lay the wood boards with a light pressure to promote a complete and uniform contact with the adhesive.

We recommend to mix the whole quantity in order to avoid mistakes in the mixing ratio with bad consequences as poor mechanical performance, lacquering defects between boards or also white stripes between boards.

During laying procedures, avoid to wet with the glue the board sides which would avoid the natural dimensional movements of the wood and could create with time wide fissures and even breaks. On the contrary it is a good practice to apply vinyl glue as Tovcol S/E on the board heads to reduce the slipping effect during laying.

For an optimum laying we suggest to apply a quantity of adhesive superior to 60-70% of the whole surface; temperature must not be inferior to 10°C and relative humidity not superior to 80%.

Surface cleaning from adhesive residues, especially if the floor is prefinished, must be done when the adhesive is still fresh with Stripcoll. Once dry, the adhesive elimination can be done 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 TP2C 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.

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 from 16-11-2017 Current Technical Data Sheet replaces the previous one.