

# TOVCOL PU 2C

**SOLVENT FREE**

## TWO COMPONENT POLYURETHANE ADHESIVE

Tovcol PU 2C is a polyurethane elastic adhesive suitable for laying traditional or pre-finished wooden floors over concrete subfloors or on pre-existing non-absorbent ones (ceramic, marble...).

It does not contain solvents, water and toxic resins of any nature, aromatic or aliphatic amines. This adhesive is particularly recommended for users who are sensitive to epoxy based adhesives. Tovcol PU 2C is also suitable for laying cork panels, polystyrene, expanded polyurethane and other construction materials such as ceramics also over metallic supports.



### Technical data

#### Chemical-Physical characteristics (20°C – 60% R.H.)

Comp. A appearance	Thick paste	Specific gravity (UNI EN 542)	1,730 g/cm <sup>3</sup>
Comp. B appearance	Liquid	Solvent concentration	Zero VOC
Mixture viscosity (Brookfield nr. 750 rpm)	50000 mPa.s		

#### Mixing ratio & Times (20°C - 60% R.H.)

Mixing ratio A + B	A + B : 90+10 in weight	Set to traffic	24 h
Pot life	45' - 60'	Sanding	3 days
Adjustment time	6 - 8 h	Dilution	Not permitted

#### Technical characteristics (20°C – 60% R.H.)

Consumption (10 mm notched trowel)	800 - 1300 gr./m <sup>2</sup>	Application temperature	> 10°C < 35 °C
Elongation factor	> 2	Shear Strength	>3,5 N/mm <sup>2</sup>

ADHESIVE IN COMPLIANCE WITH NORM ISO 17178-2013 (Elastic adhesive)

#### Storage & Labeling

Storage (original unopened packaging stored in normal conditions)	12 months. Protect from freeze B comp.	Symbols of ranger	Comp. B: Xn
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#### Tools cleaning Cleaning residues from prefinished parquet

Immediately after use with Solvent A or Solvente di Lavaggio S/23.  
Adhesive not completely set: use Stripcoll cleaner.  
Adhesive completely set: mechanical removing.

#### Packaging

Buckets 4,5 Kg + 0,5 Kg      Buckets 9 Kg + 1 Kg

#### Colors

Light woods - Dark woods

### Application

#### Subfloor.

Subfloors must be in plane, compact, free from dust, sand, grease and oil: all residues of previous old varnishes or wax have to be removed. The residual moisture content of a concrete substrate must not exceed 2% in weight, while in case of anhydrite ones maximum allowed is 0,5%. If there is the risk of a rising damp, it is recommended to place a waterproof product (polyethylene) before laying the floor.

Uneven subfloors have to be levelled with specific high resistance products like Rockfloor F10 promoting the adhesion with Primer C4.

Any crack or fissure on the concrete surface must be repaired using synthetic mortars, obtained with primers like Adeblok T19, Primer PU100 or Toverfix, mixed with sand or a specific cement based product.

Particularly smooth surfaces as ceramic must be scratched to become rough (for example by mechanical action) and must be carefully cleaned; then apply the specific adhesion promoter P.EP.P. (see relative technical data sheet).



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Poor and dusty concrete substrates have to be consolidated with one of the primers Primer PU100, Toverfix, Adeblok T19 or Primer TS. For superficial consolidation water-based primer Nanofix can be used. In case of wet concrete substrates or in presence of residual moisture content use Primer PU100, Toverfix, Adeblok T19 or Idroblok C3 (see relative technical data sheets).

### **Mixing and application.**

Pour B component into A component and mix carefully using an electrical mixer to obtain a homogeneous paste. Use a 10 mm notched trowel to apply the adhesive on the subfloor.

N.B. We advise to not wet the sides of the wooden boards using the same adhesive; this kind of operation does not allow the natural wood movements inducing cracking and fissuring. We recommend to wet shorter sides of the wooden boards using the specific vinyl adhesive Tovcol S/E (see the relative technical data sheet); it shows an excellent wood to wood adhesion so it permits to avoid the strips sliding.

Tovcol PU 2C is completely water-free and it is possible to lay any size and any kind of wooden strip, also without t/g system. After laying the floor we recommend to wait 2 - 3 days for sanding to allow the adhesive to cure and hardening.

### **Notes**

- ✓ Laying pre-finished parquet, the exceeding leaked adhesive, still fresh, can be cleaned using the product Stripcoll.
- ✓ Leave approximately 1 cm gap on the perimeter to allow natural wood movements.
- ✓ For an easier and better hands cleaning it is advised to use the specific damp clothes Tovclean.

### **Safety Rules**

FOR PROFESSIONAL USE ONLY. Strictly respect the information reported on the labels and consult safety data sheets before use.

### **Disposing of waste**

Dispose not used product and empty containers in accordance of local in force regulations.

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**WARNING:** The information reported in present 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-8 29-10-2013.** Current Technical Data Sheet replaces the previous one.