

TOVCOL PU-F1

MONO-COMPONENT POLYURETHANE ADHESIVE

TOVCOL PU-F1 is a mono-component moisture-hardening polyurethane adhesive. It is water-free, solvent-free and does not contain epoxy-resins, avoiding potential allergies induced by this kind of resins. This adhesive is suitable for laying traditional or pre-finished wood floors, on concrete or magnesium subfloors. It can be used also on non-absorbent pre-existing floors like ceramics, stone, polished marble etc. The application is easy and after drying, by reaction with moisture, TOVCOL PU-F1 becomes strong, remains elastic and is moisture-resistant.

TOVCOL PU-F1 is characterized in particular by the following properties: user friendly, waste reduced to minimum, very high yield, fast setting, easy cleaning from prefinished parquet, very good sound proofing properties.

It is also suitable for laying over underfloor heating systems.



Technical data

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

Appearance	Tixotropic paste	Solid content	99.9%
Specific gravity	1,606 g/cm ³	Consumption (10 mm trowel)	700 - 1200 g/m ²
Viscosity (Brookfield)	80.000 mPa.s	Colour	Light and dark

Times (20°C – 60% U.R.)

Skin formation	40 min	Set to light traffic	12-24 h
Time for set	4 - 6 h	Polishing	3 days

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

Shear strength (accord. with EN14293)	> 2 N/mm ²	Chemical resistance	Very good
Moisture resistance	Very good	Application temp.	> + 10°C

Storage and Labeling

Storage (original unopened packaging stored in normal conditions)	minimum 6 months	Symbols of danger	Xn
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Tools Cleaning	When still fresh use alcohol, when dry use SOLVENTE DI LAVAGGIO S/23
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Packaging	Buckets with 1, 2 or 3 aluminium bags of 7,5 Kg
Colours	Light woods Dark woods

Application

Subfloor.

Subfloors must be in plane, compact, free from dust, sand, lime and oil: all traces of previous old varnishes or wax have to be removed. The residual moisture content of a concrete substrate cannot exceed 2% in weight, while in case of anhydritic 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 placing the floor.

Not enough in plane subfloors have to be levelled with specific high resistance product. 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 (**SABBIA VAGLIATA**) or a specific cement based product.

Particularly smooth surfaces (ex. ceramic) must be made rough (for example by mechanical action) and must be carefully cleaned to remove in particular the greasy; then apply the specific adhesion promoter **P.EP.P.** (see relative technical data sheet).

Not enough coherent or dusting concrete substrates have to be consolidated with one of the primers **PRIMER PU100**, **TOVERFIX**, **ADEBLOK T19** or **PRIMER TS**. In case of



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wet concrete substrates or in presence of residual moisture content use **PRIMER PU100**, **TOVERFIX**, **ADEBLOK T19** or **IDROBLOK C3** (see relative technical data sheets).

Application.

Apply TOVCOL PU-F1 using an 8 mm notched trowel. After placing the adhesive the floor must be immediately layed, do not wait more than 30-40 minutes (open time is referred to ambient conditions).

Notes

- ✓ Avoid to locally exceed in quantity of applied product
- ✓ Do not dilute TOVCOL PU/F1
- ✓ Laying prefinished parquet, the exceeding leaked adhesive, still fresh, can be cleaned using the product **STRIPCOLL**.
- ✓ Carefully closing the opened bags after use permits to use the remaining adhesive
In the case of a superficial thin skin formation, remove that skin and use the below fresh adhesive.
- ✓ Leave an approx. 1 cm gap on the perimeter to allow natural wood movements
- ✓ For an easier and better hand cleaning it is advised to use the specific damp clothes TOVCLEAN.

Safety Rules

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

N.B. TOVCOL PU-F1 has been formulated to respect the health of the users and also the environment. The product has got the label Xn because of the presence of isocyanate, although in very low percent (see the specific safety data sheet).

Disposing of waste

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

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-10 07-04-2009. Current Technical Data Sheet replaces the previous one.