

# Tovcol MS

## One-component MS polymer adhesive

One-component ready to use silane based moisture curing adhesive; odourless, water and solvent free. Suitable for the elastic bonding of engineered wood floors of any size and for small and medium dimensions of solid wood. The adhesive can be used on any absorbent concrete and anhydrite screed, pre-existing non absorbent floors like ceramic tiles, marble and metallic supports. Particularly recommended on under heating, it has a good soundproofing effect.

The lack of solvent, epoxy resins, isocyanate and the very low VOC concentration guarantee a very high security level for the installer and final user. Tovcol MS has got the German DIBt Certification.

### Technical data at 20 °C, 60% r.h.

Aspect	Dense Paste
Density	1,7 kg/l
Viscosity	45000 mPas – Brookfield, spindle 7, 50 giri/min
Open Time	40 – 60 minutes
Blocking Time	6 – 8 hours
Light traffic	6 – 8 hours
Sanding	2 – 3 days
Yield	700 – 1200 g/m <sup>2</sup> – 8 mm trowel
Shear strenght	1,8 N/mm <sup>2</sup> according to UNI EN 14293 – Elastic glue
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	15 kg. buckets - 15 kg. buckets with 2 aluminium bags 7,5 kg.
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. Dusty subfloors can be treated with Nanofix. Anhydrite screeds must be sanded, vacuumed and treated with a coat of Nanofix anti-dust primer.

The residual moisture content for cementitious substrates must not exceed 2%; for those based on gypsum or anhydrite it must not exceed 0.5%; for heated floors, residual humidity must not exceed 1.7% for cementitious substrates and 0.3% for gypsum or anhydrite-based substrates

If the humidity level is too high, the screeds must be treated with a waterproofing primer such as: Idroblok C3, Toverfix, Primer PU100, Adeblok T19 or Idroblok 2K. For the choice and use of the primer, consult the relevant technical data sheets. Idroblok C3 can also be used to waterproof old ceramic floors.

Cracks and fissures must be repaired using synthetic mortars made with primer Adeblok T19 mixed with Quarzo Puro (dry sand).



Adhesives & Sealants

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### Certifications



Tover S.r.l.

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Substrates that are not sufficiently solid and compact must be consolidated with a suitable primer such as Primer PU 100, Toverfix, Adeblok T19 or Idroblok 2K, if there are no humidity problems, Primer TS can also be used. In extreme cases the screeds will have to be removed and replaced.

Uneven or insufficiently flat substrates can be leveled with the self-leveling Rockfloor F10 after treatment with Primer C4.

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

### Wood floor bonding

Apply the adhesive with Tover Nr. 6 notched trowel (8 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.

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%.

The still fresh adhesive can be totally and easily removed from hands and prefinished floors, using Stripcoll solvent or Tovclean wipes. Once dry the elimination of residues from the surface can be easily done in a mechanically.

### Notes

Do not use the adhesive for outdoor bonding.

Do not exceed in the quantity applied.

Before laying it is compulsory to measure the moisture content of the surface and wood.

Tovcol Ms is not suitable for bonding of floors having a lacquered or treated backing or for bonding plastic materials like PVC, PE or similar.

Do not bond on screeds treated with aceto-vinyl primers.

In the case of substrates treated with consolidating/waterproofing primers, the parquet must be laid in a short time, 24/48 hours from the application of the primer. If longer times are foreseen, sprinkle the primer while still fresh with Quartz Pure, consult the technical data sheets of the primers for more information.

Leave a space of 1 cm all around the walls in order to enable wood dilatation.

Once hardened, Tovcol MS can be easily cleaned from pre-finished varnished parquet, in the case of pre-finished oiled parquet this is not always true, so be careful when laying these materials.

The unused product can be used lately if the package is well closed and stored in a fresh and dry place.

### 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 08 – 05/04/2023. Current Technical Data Sheet replaces the previous one.