



TEC™ 523

Conductive fibre dispersion adhesive

Advantages

- Eliminates electrostatic charges
- Solvent-free
- Easy to apply
- Can be combined with our products: TEC™ 801 copper strip and TEC™ 041 primer
- Strong tack strength
- High level of final adhesion
- Very strong resistance of bonded items to plasticisers
- Suitable for application on heated floors

Applications

For floor coverings:

- dissipating or conducting PVC coverings
- dissipating or conducting textile and needle-punched coverings

In premises requiring elimination of electrostatic charges (surgical departments, information technology premises, etc.)
In the event of doubt concerning possible applications, please contact our technical support service first

Technical data

Appearance	Aqueous acrylic copolymer and conductive fibre dispersion
Consumption*	300 to 500 gr/m ² , depending on the covering
Drying time*	10 to 15 min, depending on the covering
Storage	12 months in the intact original packaging in a cool area – Protect from frost
Packaging	13 kg plastic buckets
Safety data sheet	Available on request
Opening to traffic	After 24 hours
Final curing	48 to 72 hours
Application	Ribbed spatula, depending on the K, S1 or TL, S2 covering
Open time	Up to 50 min, depending on the covering
Shelf life	12 months if unopened and stored in a cool dry area
Cleaning agent	Water
Safety Data Sheet	On demand.

* The adhesion time varies depending on the amount of adhesive applied, depending on the type of coverings (permeable, thick, rigid, unstable), climatic conditions of the premises and the porous nature of the substrate

Substrates

- The substrate must be sound, stable, flat, clean, permanently dry, not subject to rising damp, dusted and degreased, tension and compression resistant and not cracked.
- The substrate must comply with the standards and texts in force (DTU, CPT and guides). Take the necessary measures in the event of non-compliance.
- The substrate will already have been treated and prepared beforehand:
 - Concrete slabs and cement screed: using a P2, P3 or P4 floor primer from our range, depending on the purpose of the premises
 - Wood substrates or particleboards: using a fibre primer from our range.
 - Anhydrite screed: using our self-levelling patching TEC™ 920 ALPHY primer.
- Other substrates: please contact us.
- Depending on the type of application specified by the covering manufacturer, laying of our TEC™ 801 copper strip.
- Priming with our TEC™ 041 **EL conductor primer**.

Refer to the technical data sheets for the different substrate preparation products

Installation conditions

Temperatures to be heeded during use	Application should not be carried out during periods of frost or intense heat Floor coverings should be acclimatized in the conditions specified by the manufacturer The ambient temperature (ideal) must be between +15 and +25°C Application should not be carried out on a floor in the process of heating. Heating is suspended for a minimum of 48 hours before application
Maximum permissible humidity	Between 40 and 75%, ideally <65% Ambient humidity and the substrate temperature must be such that there is no condensation at substrate level (dew point).

Application

The adhesive must always be mixed in advance in the bucket prior to being applied to a substrate. Close the container tightly after use.

- Normal application, by simple adhesion of a substrate, using a shallow or deep toothed spatula, depending on the quality of the substrate and the type of covering.
- Note: Do not overlap 2 layers of adhesive when repeating adhesion
- PVC coverings (K or TKB S1) to be bonded during the working time of around 30 min, followed by roller pressing using a cork pressure plate, then roller pressing with a roller!
- Textile and needle-punched coverings (K or TKB S2) to be bonded during the working time of around 30 min, followed by roller pressing using a cork pressure plate, then roller pressing with a roller.
- During bonding, a complete transfer of the adhesive furrows to the back of the covering must be observed.
- Roller pressing, designed to expel air trapped under the covering, to flatten the adhesive furrows and ensure good transfer to the back of the covering, must be carried out carefully and involve the entire surface of the covering.

It is preferably carried out in two stages: manually with a cork pressure plate, then with a heavy roller at the end of application.

- Joints, levelling and soldering of joints are carried out in accordance with the regulations pertaining to the type of work, whilst complying with the stipulations of the covering manufacturer.
- Cleaning of the tools and fresh stains with clean water.
- Comments
- Only bond the surface that can be covered during the work time.
- Take into account the climatic conditions of the premises.
- When working, check the spatula teeth regularly for wear and tear and change it as often as is necessary to follow the instructions.

Special precautions

Covering protection:

- If the construction site completion conditions require that covering protection is used, this should only be laid 72 hours after the adhesive has dried

Commissioning timeframe:

- Opening to normal pedestrian traffic: At least 48 hours after completion of the work
- Final curing 48 to 72 hours after bonding. The covering can then be subjected to traffic and to normal use.

Timeframe before heating a heated floor

- At least 7 days after application of the bonded PVC floor covering.

RECOMMENDATIONS:

All work must be carried out in compliance with DTU, CPT, professional regulations, etc. in force, according to the respective technical data sheets for our products, whilst complying with the laying instructions from the covering manufacturer, recommended by the application guide, technical data sheets and other documents.

www.tecspecialty.com/europe



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