



TEC™ 521

Multipurpose solvent free adhesive

Advantages

- Short airing time
- Ideal for rehabilitation in an occupied setting and/or by low temperature and high hygrometry
- Good plasticizer resistance
- Suitable for use of castor chairs
- Suitable for use over underfloor heating systems
- Short waiting time
- High initial tack
- Solvent free

Applications

- PVC floor covering in sheet
- CV floor coverings
- PVC floor coverings with foam backing, mineral fiber backing or polyester fiber backing
- Textile floorcovering on foam backing, needlefelt
- For more detailed information on possible applications, please contact our technical assistance service

Technical data

Basis	Copolymer dispersion
Color	Beige
Application tool	TKB A1, A2, A4 or B1 depending on substrate and type of floor covering
Consumption	250g/m ² for thin floorings with smooth backing – A2 spatula 350 g/m ² for flooring with rough backing – B1 spatula
Airing time	Ca. 10 on absorbing subfloor
Open time	Ca. 40 min
Free walking access	After 24 hours
Curing time	48 to 72 hours
Installation temperature	+ 10° to +30°C
Packaging	20 kg and 5 kg buckets
Shelf life	12 months if unopened and stored in a cool dry area
Cleaning agent	Water
Safety Data Sheet	On demand.

Above-mentioned laboratory values should be used as an indication that should be adapted depending on installation conditions (substrate absorption, temperature, hygrometry...)

Substrates

- The substrate must be sound, solid, thoroughly clean, permanently dry and free of oil, wax, grease and any contaminant that might act as a bond breaker.
- The substrates must conform to the norms and regulatory texts (DTU, CPT etc.) .Take every necessary measure in case of deficiency.
- For producing an absorbent, even subfloor which is suitable for use of castor chairs, we recommend the application of a self levelling compound:
 - For concrete slabs and cement-based screed: a P3 or P4s self levelling compound of our range
 - For wood-based subfloor: a fiber-reinforced self-leveling compound
 - For calcium sulfate screed: our TEC™ 922

Note: Please refer to the technical data sheet of the surface preparation products

Installation conditions

Temperatures	Temperature should be maintained between 10 and 30°C TEC™ 521 can be applied on underfloor heating systems. The start protocol of the floor heating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 48 hours before application. Do not heat again until at least 48 hours after application, in steps of maximum 5° C water temperature per day (maximum floor temperature: 28°C).
Relative humidity	Don't use on radiant heating floor : 75%. (Recommended <65%)

Installation

- Stir well before use
 - The adhesive is to be equally applied onto the subfloor with a trowel. The type of trowel depends on the type and condition of the subfloor and on the type of the floor covering backing: trowel A2 for smooth CV/PVC floor coverings, the trowel for structured floor coverings backing is to be increased.
 - Spread the adhesive evenly over an area of subfloor that can be covered whilst the adhesive remains receptive and gives a good transfer. Trowels need to be replaced in time in order to guarantee the correct amount of adhesive.
Note: Do not overlap 2 layers of adhesive when repeating adhesion
 - Heed the Airing time. This responds to 3 concerns
 - Enables evacuation of some adhesive humidity prior to application (*waterproof covering and/or slightly absorbent substrate*)
 - Increases or accelerates the adhesive tack strength
 - Prevents slipping during laying of the tiled covering
 - It can also be applied in the fresh adhesive bed (*textile coverings for example.*) In this case, the substrate must be sufficiently absorbent to expel only the humidity of the adhesive. For thin coverings and, more generally, to prevent the shadow of the adhesive furrows appearing during use, we recommend laying the covering on a weaker bonded adhesive film.
 - The open time is max 40 min.
 - 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.
-
- 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 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 after 72 hours, which corresponds to the adhesive drying time

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 reheating a heated floor:

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

Recommendation:

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.

Recommendation:

Floor coverings need to be acclimatized in the room in a flat position before installation in order to avoid overlapping due to expansion.

The work must be done accordingly to the relevant norms and industry standards (DTU, CPT...), the technical data sheets of the products and the floor covering manufacturer instructions.

www.tecspecialty.com/europe



H.B. Fuller Adhesives France SAS – 56, rue du Général de Gaulle – 67250 Surbourg - France

IMPORTANT: Information, specifications, procedures and recommendations provided ("information") are based on our experience and we believe this to be accurate. No representation, guarantee or warranty is made as to the accuracy or completeness of the information or that use of the product will avoid losses or damages or give desired results. It is purchaser's sole responsibility to test and determine the suitability of any product for the intended use. Tests should be repeated if materials or conditions change in any way. No employee, distributor or agent has any right to change these facts and offer a guarantee of performance.

NOTE TO USER: by ordering/receiving product you accept the **H.B. Fuller General Terms and Conditions of Sale** applicable in the region. Please request a copy if you have not received these. These Terms and Conditions contain disclaimers of implied warranties (including but not limited to disclaiming warranties of fitness for a particular purpose) and limits of liability. All other terms are rejected. In any event, the total aggregate liability of H.B. Fuller for any claim or series of related claims however arising, in contract, tort (including negligence), breach of statutory duty, misrepresentation, strict liability or otherwise, is limited to replacement of affected products or refund of the purchase price for affected products. H.B. Fuller shall not be liable for loss of profit, loss of margin, loss of contract, loss of business, loss of goodwill or any indirect or consequential losses arising out of or in connection with product supply.

Nothing in any term shall operate to exclude or limit H.B. Fuller's liability for fraud, gross negligence or for death or personal injury caused by negligence or for breach of any mandatory implied terms.