



TEC™ 050

Adjuvant for patching and mortar | Multi-purpose use

ADVANTAGES

- Plasticising effect, improves the application properties of patchers and mortars
- Increases the adhesion force and the resistance to deformations on uncertain substrates – presenting mechanical or thermal constraints that are greater than normal
- Reduces the risk of crack formation and increases the abrasion resistance
- Regulates substrate porosity after dilution – adapted to many new or old substrates
- Also used for screed, repair, filling and wall patching mortars
- Good value
- Suitable for treatment of substrates on heated floors
- Solvent-free – Hassle-free

USE

TEC™ 050 dispersion is mainly designed for adjuvantation of patchers and mortars to substrates that are sensitive to deformations.

It is recommended for the preparation of substrates:

- bituminous: *example on asphalt screed*
- wood particleboards, wood flooring
- in renovation

Likewise, TEC™ 050 is applied after dilution as a primer (*sealers*) on absorbent internal substrates such as:

- Traditional very absorbent porous cement screed;

But also as a bonding and treatment primer for specific substrates

- Cement primer, masonry, etc.

In the event of doubt concerning possible applications, please contact our technical support service first

GENERAL CHARACTERISTICS

Base	Synthetic resins in aqueous dispersion
Colour	White
Diluent	Diluent: water
Consumption	Variable according to use: for example Around 100 gr/m ² of product prior to dilution as a porosity regulator (<i>sealers</i>). Recommended dilution ratio: 1 volume of dispersion 050 + 1 volume of water maximum 1.0 kg per bag of patcher at the same time as an adjuvant
Drying time	Around 1 to 4 hours** on cement-based mineral substrates
Minimum usage temperature	+10°C
Life cycle	12 months in the intact original packaging in a cool area – Protect from frost.
Packaging	10 kg jerricans and 30 kg container
Safety data sheet	Available on request.

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.
- Matt dense, non-absorbent ceramic substrates or others.

- If the cement-based substrate does not possess the humidity rate required or in the event of paving on an earth platform (DTU 53.2), apply our adhesive barrier procedure TEC™ 024 mvb for humid substrates or ones exposed to repeat episodes of humidity, and heed the application conditions set out in the product's technical data sheet.
- All crumbling, non-adhesive or poorly-adhesive parts of the substrate (*plaster residues, laitances, surface films, curing compound, paint traces, etc.*) must be removed mechanically by brushing, sanding, milling or shot blasting.
- Carefully remove (*using suction*) dust and non-adhesive particles.
- Maintenance product residues on old retained coverings must be removed using a chemical stripper
- Other substrates: please contact us.

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

CONDITIONS OF USE

Temperatures to be heeded during use	Application should not be carried out during periods of frost or intense heat The ambient temperature (<i>ideal</i>) 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
Minimum usage temperature	Substrate and atmospheric temperatures must be at least equal to +10°C.
Maximum permissible humidity	Ambient humidity and the substrate temperature must be such that there is no condensation at substrate level (<i>dew point</i>).

PREPARATION AND APPLICATION OF THE PRODUCT

Note: TEC™ 050 dispersion resin must always be mixed first in the container prior to being used. Close the container tightly after use.
Do not ingest and avoid contact with the eyes

1. Adjuvantation of patchers:

- Within the context of adjuvantation of a patcher, the quantity of mixing water initially stated on the bag/technical data sheet can be reduced, and be replaced by incorporating TEC™ 050 dispersion resin.
- For an initial water quantity of 6 litres of water: mix 5.50 litres of water + 1.0 kg of TEC™ 050 resin with the contents of a bag of patcher (25 kg).
By incorporating the resin with the mixing water, a smoother and a slightly more adhesive mixture consistency is achieved

2. Adhesive primer on a porous/very absorbent substrate

- **TEC™ 050 must never be used undiluted.** The mixture is applied in a diluted form, in an even, thin and continuous layer using a foam or nylon roller. Avoid the formation of puddles.
- In the case of successive applications (*very absorbent substrates or slightly powdery, chalky floors*), work in humid to humid conditions, preventing the product from drying shiny between applications
- Average consumption is around 200 g/m². It is susceptible to considerable variation depending on the type and porosity of the substrate
- The drying time of 1 to 4 hours varies according to the temperature, the substrate absorbency and the weight deposited.
The drying time is increased at low temperatures with a high humidity level and is shortened at high temperatures with a low level of humidity. Always allow the primer to dry fully.
- Clean the containers, tools and fresh stains immediately with clean water.
- **To avoid any contamination, prohibit all pedestrian traffic on the non-covered primer layer.**

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.

www.tecspecialty.com/europe



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