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# TEC™ 041

**Aqueous dispersion conductor primer - solvent-free**

## ADVANTAGES

- Together with a conductive adhesive and a conductive covering, prevents the occurrence of potential charges and electrostatic charges
- Can be used as a replacement for laying a network of copper strip *(time-saving and good value)*
- Ensures a very high bypass capacity
- Easy to apply using a foam roller *(high density)*
- Easy to use – low consumption
- Solvent-free – hassle-free
- Suitable for heated floors

## USE

- TEC™041 is an electro-conductive aqueous dispersion pre-coating that can be applied to a patched absorbent substrate, prior to laying a PVC *(ECF)* or a textile conductor floor covering.
- In all premises where expulsion of electrostatic charges is required
- In combination with the application of TEC™801 strip and TEC™641 and TEC™523 conductive acrylic adhesives.

**Attention**: not suitable as an adhesive primer prior to application of a patcher and/or a dual component conductive adhesive

In the event of doubt concerning possible applications

## GENERAL CHARACTERISTICS

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| Base | Synthetic aqueous dispersion resin – solvent-free |
| Colour | Black |
| Consumption: | Approx. 100 to 150 g/m² |
| Drying time | 2 to 4 hours for permeable textile coverings<br>12 to 24 hours prior to laying a PVC covering |
| Minimum usage temperature | +10°C |
| Life cycle | 12 months maximum in the intact original packaging in a cool area – Protect from frost. |
| Packaging | 10 kg jerricans |
| Safety data sheet | Available on request. |

*The abovementioned values have been determined in a laboratory and must be considered to be indicative, taking into account possible variations in application conditions (substrate absorption, temperature, humidity, etc.)

## 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.
- For a substrate consisting of calcium sulphate-based liquid screed (anhydrite screed), the humidity rate must be less than 0.5%.
- 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 TEC™ 024 MVB epoxy primer.
- 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.

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

## CONDITIONS OF USE

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| Temperatures to be heeded during use | Application should not be carried out during periods of frost or intense heat<br>The ambient temperature (ideal) must be between +15 and +25°C<br>Application should not be carried out on a floor in the process of heating.<br>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 (dew point). |

## APPLICATION

The works are carried out in compliance with DTU 53.2 - from April 2007 - Chapter 6 section 6.5.2.3.2 *(method B)*

Note: As the conductive particles can settle during storage, the primer must therefore be fully mixed in the container prior to use. Close the container tightly after use. Do not ingest and avoid contact with the eyes

- Pour the primer into a clean bucket, then apply TEC™041 in an even, thin and continuous layer using a foam roller *(high density).*
- Apply the product until point of saturation is reached, taking care that no puddles form.
- Consumption of around 100 to 150 g/m² is susceptible to considerable variation depending on the type and porosity of the substrate.
- Allow the primer to dry fully prior to starting to lay the *(self-adhesive)* TEC™801 electrolytic copper band in accordance with method B, defined in Chapter 6.5.2.3.2 of the DTU 53.2 – from April 2007.
  The drying time 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.
- Cleaning of the tools and fresh stains with clean water.

**VARIOUS COMMENTS**
Application of the TEC™041 pre-coating reduces the absorption capacity of patched substrates. It is therefore suitable during application of a PVC conductive floor coating *(ECF)* to adjust the bonding time of the conductive adhesive used.

Do not apply TEC™041 pre-coating prior to bonding of a conductive rubber covering.

In all cases, refer to the laying instructions, application guides, technical data sheets and other documents from the conductive floor covering manufacturers, which provide specific recommendations suitable for their coverings.
For works that require a high level of conductivity, verification after laying of the overall electrical resistance (substrate+covering) is required by an authorised body in accordance with the standards in force.

TEC™ 041 can be applied to an underfloor heating system. Contact the relevant DTU to find out the procedure for initial heating and the timeframe for stopping heating prior to fitting and the timeframe for reheating after work.
Not suitable for Electric Underfloor Heating (EUH)

**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



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