

# FLOORWORX NO.27 ELECTRICALLY CONDUCTIVE ACRYLIC ADHESIVE



DATA SHEET NO. 109

May 2019

## DESCRIPTION

FloorworX No.27 is a water based acrylic conductive adhesive suitable for use with FloorworX Static Dissipative and FloorworX Electro-statically Conductive flooring where precise limits of electrical resistance are essential. The complete flooring system acts as a medium for equalising electro-static charges while simultaneously reducing the danger of electric shocks from mains-connected equipment.

## COVERAGE

It is available in 5 litre containers and when using the recommended trowel (TKB – A2) will give a coverage between 3.0m<sup>2</sup> - 4.0m<sup>2</sup> per litre, depending on the sub-floor porosity.

**Do not spread the adhesive over a larger area than can be covered within the open\* time of the adhesive as this is influenced by the ambient temperature. A worn trowel will result in adhesive starvation and the floor will ultimately fail. Impervious/primed floor finishes require less adhesive, which requires the trowel notching to be reduced accordingly.**

## PREPARATION

- Ensure that the sub-floor is firm, clean, smooth, free of oil and grease and compliant to a Grade 1 floor finish as set out in SANS 0070 Code of Practice: The installation of resilient thermoplastic and similar flexible floor covering materials in terms of levelness. (See FloorworX Technical Bulletin No. 32:Sub-Floor Surface Preparation).
- Ensure that the sub-floor is dry by testing with a suitably approved Concrete Moisture Meter. (Tramex CME 4, Caisson VI-D4 Pinless Concrete Moisture Meter, GE Protimeter Mini or a Hygrometer). (See FloorworX Technical Bulletin No. 30: Moisture in Sub-Floors and Damp-Proof Membranes).
- The sub-floor should be swept or preferably vacuumed, to remove all dust and dirt.
- Under no circumstances apply the adhesive to a dusty sub-floor unless it has been primed with a suitable primer.

For more information please contact the  
**FLOORWORX TECHNICAL DEPARTMENT**  
by sending your query to [technical@floorworx.co.za](mailto:technical@floorworx.co.za)



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- Ensure that the job has been correctly planned and set out prior to any adhesive application.

### APPLICATION

- Stir the adhesive thoroughly before spreading.
- Evenly spread the adhesive using a TKB - A2 trowel.
- Allow sufficient time for the volatiles in the adhesive to flash-off.
  - FINGER TEST Do not lay into wet adhesive. As laying conditions vary, we recommend a finger test be used to determine when the adhesive is ready. Lightly touch the spread adhesive, when no wet adhesive transfers to the fingertip, the adhesive will be ready and the flooring can be laid. This normally takes between 15 and 45 minutes.
- Note that working time is considerably shorter than conventional acrylic adhesives.
- Ensure that the flooring is laid into the adhesive before it dries.
- Bed the flooring into the adhesive using a 68kg three-sectional metal flooring roller in both directions before the adhesive has hardened.

### PRECAUTIONS

- Do not use FloorworX No. 27 adhesive when the temperature is below 6°C.
- Do not use FloorworX No. 27 adhesive on woodblock flooring.
- Do not spread large areas of adhesive.
- Do not lay into the adhesive too early or too late.
- Adhesives should be stored indoors on a wooden pallet at a temperature of not less than 6° to prevent freezing.
- If the trowel notching is too large, an excessive amount of adhesive will be applied to the sub-floor resulting in adhesive weeping through the joins. Allow 24 hours or longer before welding sheet flooring material.
- Do not use solvent-based cleaners to remove adhesive from the flooring surface. Such adhesive should be removed immediately using a clean, damp rag, warm water and a detergent.

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## **CLEANING**

Any excess FloorworX No. 27 will clean off easily whilst still wet using a damp cloth. To remove FloorworX No. 27 from equipment use warm water and soap. Equipment can also be cleaned with turpentine.

**\*Open time: - The maximum working time that the adhesive, after it has been spread on the substrate, remains able to receive the flooring. There can be significant difference in open time due to atmospheric moisture, temperature and screed porosity.**

### DISCLAIMER

THIS INFORMATION IS BASED ON OUR EXPERTISE AND IS GIVEN IN GOOD FAITH BUT WITHOUT WARRANTY. WE CANNOT ACCEPT LIABILITY FOR ANY DAMAGE, LOSS, OR ACCIDENT CAUSED DIRECTLY OR INDIRECTLY BY THIS PRODUCT.

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