

May 2019

DATA SHEET NO. 110

FLOORWORX NO. 55

TWO PART POLYURETHANE ADHESIVE

DESCRIPTION

FloorworX No. 55 is a two-part polyurethane adhesive used for laying Nora synthetic rubber floor tiles and other specialised applications. The adhesive system consists of a large container of base and a small container of activator which are mixed together before spreading on the sub-floor. *FloorworX No. 55* two part polyurethane adhesive is available in 6kg pack which will give coverage of approximately 2m² per kg depending on the sub-floor porosity.

COVERAGE

It is available in 6kg packs and when using the recommended trowel (TKB – A2) will give a coverage between 10m² and 12m² per pack, 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.

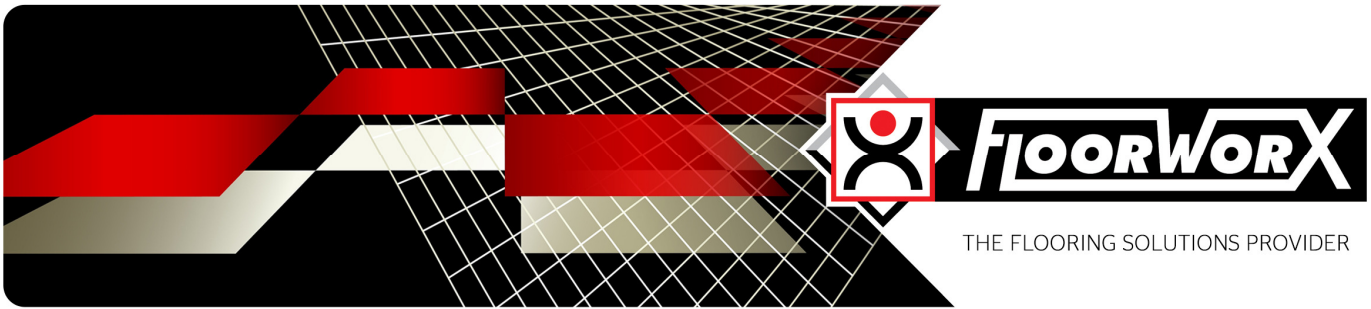
PREPARATION

- 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 10070 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.
- Ensure that the job has been correctly planned and set out prior to any adhesive application.

APPLICATION

- The two components of *FloorworX No. 55* adhesive comprise a 5kg container of base and a 1kg of activator.
- Briefly stir the base. Empty the small container of activator into the large container of base, ensuring that all the activator is added to the base.
- Thoroughly mix the activator and the base, preferably using a stirrer attached to a low-speed drill. Mixing by hand takes at least 10 minutes.

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- When stirring, pay special attention ensuring that the adhesive on the sides and bottom of the container is thoroughly mixed.
- Once mixed, the adhesive should be spread immediately. If left in the container, it will harden rapidly due to the heat generated by the curing reaction. (Pot life is \pm 30 minutes; hence only mix that amount of adhesive which can be used).
- Spread the adhesive using a TKB - A2 trowel or (mohair) roller.
- Spread the adhesive evenly ensuring that no bare spots, pools or overlapping adhesive ridges are left.
- Once the adhesive has been spread, the tiles should be laid into it immediately. *FloorworX No. 55* adhesive does not contain any water or solvents, so there is no flash-off time.
- In hot environments, ensure that the laying of the tiles keeps up with the spreading of the adhesive to prevent the adhesive hardening before the tiles are laid.
- **Ensure that all excess adhesive is removed before it cures. Attempting to remove cured adhesive will damage the floor covering.**
- During the laying process, embed the flooring into the adhesive using an articulated 68 kg three sectional metal floor roller.

PRECAUTIONS

- Ensure that the two components of *FloorworX No. 55* adhesive have been thoroughly mixed together.
- *FloorworX No. 55* adhesive has a shelf life of approximately 6 months,
- Ensure that the tiles are flat when laid since tile corners which have been turned up will not settle into the adhesive later. Corners which stand proud must be weighted down for 3 hours in order to allow the adhesive to cure.
- Before it has hardened, any excess adhesive on the sub-floor should be removed using a hand scraper.
- Do not allow any heavy traffic onto the floor for 48 hours after installation in order to allow sufficient time for the adhesive to cure.
- Avoid eye and skin contact with the adhesive by wearing eye and hand protection.
- Protect the skin by means of gloves or a barrier cream. (Should the skin become contaminated, wash immediately with soap and water).

CLEANING

Any excess *FloorworX No. 55* adhesive will clean off easily whilst still wet using a damp cloth. To remove *FloorworX No. 55* adhesive from equipment use cold water and soap.

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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