EVOFLEX™ with ARMORGRIP™
Seamless Polyurethane Flooring
Thickness: 20 mm

APPLICATION METHOD STATEMENT

Product Delivery
2-component polyurethane adhesive  kits @ 12 kgs
                                           (10 kgs A + 2 kgs B)

Base Mat System (Rubber/Foam mat with Fabric Reinforcing)  0.5 m (W) x 1.0 m (L)

Pore Sealer  kits @ 19.78 kgs
                                           (16.37 kgs A + 3.41 kgs B)

Armorgrip™ Coating  plastic pails @ 15.00 kgs

Armorgrip™ Aggregate  plastic bags @ 2.65 kgs

Scope
This guideline covers the components and methods of installation of the Evoflex™ with Armorgrip™ Flooring System. The System is comprised of a fabric reinforced prefabricated rubber base mat, sealed by a trowel-applied 2-component polyurethane pore sealer followed by a 1-component polyurethane Armorgrip™ wear coat which contains recycled rubber granules.
**Surface Preparation (by others)**

The concrete base should be sufficiently cured and cleaned in order for work to progress. Recommended cure time for concrete - 28 days. The finish of a concrete subsurface should be dry, smooth and structurally sound. It should also be free of depressions, scale or foreign deposits of any kind.

Rough, uneven, cracked or scaling concrete sub-surfacing should be cleaned and filled with an appropriate leveling compound. It is not recommended that expansion joints with an elastomeric filler to are be covered by the Evoflex™ with Armorgrip™ Flooring. Flooring installed over flexible joints often crack or buckle when the concrete slabs move.

Dusty or chalky concrete sub-surfaces should be swept clean and primed with a suitable primer. A dusty concrete sub-floor is a sign of alkali salts which hinder the bond of the adhesive to the sub-floor.

On grade or below grade concrete sub- floors should have a moisture barrier installed to protect from ground moisture. Evoflex™ with Armorgrip™ Flooring should only be installed after a moisture test proves the suspended concrete subsurface is sufficiently dry. Refer to ASTM D4253 (Plastic Sheet Test): Place plastic sheet on concrete stab for 24 hours. If moisture has collected or slab has darkened, the vapour transmission is too high for a successful Evoflex™ with Armorgrip™ Flooring installation. If the Plastic Sheet Test is negative, assure that the concrete sub-floor is dry – conduct an anhydrous calcium chloride test according to ASTM F 1869 – vapour pressure in not too exceed 2 pounds water / 1000 square feet / 24 hours.

Prior to installation of the flooring system, the entire base should be checked for planarity and surface tolerance. Any areas that vary +/- 3 mm when measured with a 3.0 m straightedge in any direction should be patched with a compound compatible with the sub-floor and Evoflex™ with Armorgrip™ Flooring System or ground down.

Do not proceed with the Evoflex™ with Armorgrip™ Flooring installation, unless these conditions and are specifically met.

**Adhesive**

The adhesive is a two component polyurethane that is used to bond the prefabricated base mat to the prepared base. Application rate ± 0.70 kg / sqm for a smooth concrete base.

(" note: conditions apply. The finished sub-surface shall be smooth and trimmed and have no compaction or trowel ridges and shall not vary from the required levels by more than 3 mm under a 3.0 m straight edge, measured in any direction.)

**Fabric Reinforced Prefabricated Rubber Base Mat**

The prefabricated rubber mat is a moulded panel, reinforced with a polyester fabric layer on the top side, 0.5 m x 1.0 m in size. The moulded panel is comprised of black rubber and foam particles bound by a clear MDI polyurethane binder.
Placement of the Rubber Base Mat
Ideally, the base mats should be laid out to relax prior to installation. Adhesive is mixed and applied by trowel using a notched trowel. Apply the adhesive at the recommended rate. Adhesive should be applied only to the area to be covered by several base mat panels at a time. When the adhesive is tacky, the mat is then placed onto the surface making sure that each sheet is placed in a straight line. All butt joints are to be staggered. Seams and butt joints are to be level and not pinched. Place weights as necessary to hold the base mat panels in place until the adhesive has gained sufficient strength for the panels not to move. Remove any excess adhesive that protrudes above the seams and joints.

Pore Sealer
Once the placement of the mat is complete, an application of a two component pore sealer – which is mixed according to the ratios of part A and B as advised - is trowel applied on to the base mat. The pore sealer product is supplied in kits. The material is to be of a pasty consistency and should be left free of ridges when applied. The total rate of application of the sealer will be ± 0,65 kg/sqm.

Armorgrip™ Coating

Mixing
The 1-component aliphatic polyurethane Armorgrip™ coating is supplied in 20 L plastic pails. The Armorgrip® Aggregate is supplied in 2.65 kg clear plastic bags. Open the plastic pail and charge all the aggregate in the pail. Mix thoroughly using a non-vortexing electrically driving paddle mixer.

Application 1st Layer
Pour the mixed material in to the hopper of an air powered spray gun. Aim to spray the surface area at about 50% coverage. Let Dry.

Application 2nd Layer
Repeat Mixing as advised above. Pour into paint tray. Apply mixed Armorgrip™ Coating using a 300 mm wide structured paint roller. Cover the surface 100%. Let Dry.

Application 3rd Layer
Repeat Mixing as advised above. Pour the mixed material in to the hopper of an air powered spray hopper-gun. Aim to spray the surface area at about 50% coverage. Let Dry.

The total rate of application of the mixed Armorgrip™ Coating should be ± 1,00 kg/sqm.
Cautions

[1] All materials must be stored in a clean, dry place.

[2] Do not allow adhesives, pore sealer, Armorgrip™ Coating to freeze or to stand in direct sunlight.


[4] This statement does not cover the preparation of the sub floor, construction details or drainage considerations. The success of the Evoflex™ with Armorgrip™ Flooring System is dependent upon a properly constructed base.

The above data, particularly the recommendations for applications and use of this product is based on our knowledge and experience. Due to varying conditions during applications, which are beyond our control, we strongly recommend to carry out sufficient tests in order to ensure that the Evoflex™ with Armorgrip™ Flooring Systems is suitable for the intended application. Except for a wilfull act, any liability based on such recommendations or any oral advice is hereby expressly excluded. This Application Method Statement supersedes all previous editions.

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