

PRODUCT INFORMATION

SPECIFICATIONS

VYFLOOR PF102 is complies with ASTM D4060 & ASTM D2240.

PACKAGING

VYFLOOR PF102 is packaged 5, 15 kg kits

COVERAGE

Rate of uses(theoretically) 5-6 m²/kg / 100 μ DFT depends on the substrate nature

SHELF LIFE

24 months if stored in original unopened packs.

STORAGE

VYFLOOR PF102 should be stored in clean ground over plastic or wooden pallets out from direct sun at temperature between +5 °C to +35 °C

DESCRIPTION

VYFLOOR PF102 is a two components solvent free, epoxy fillerized primer and levelling sealer coat.

Designed for epoxy flooring system to give high performance, superior adhesion and abrasion resistance with good sealing properties for porous surfaces.

VYFLOOR PF102 is used as a primer for epoxy floor coating system and surface hardener, can be mixed with filler and quartz sand to produce high mechanical resistant floors.

TYPICAL APPLICATIONS

is used for:

- Primer for epoxy and poly urethane flooring system
- Sealer for high porous concrete surfaces
- Sealing and repairing cracks
- May be mixed with sand to the desired consistency to repair patches or form covings
- Binder for levelling layers and mortar screeds
- Primer for joint sealant
- Repair product for voids, cavities and cracks

FEATURES

- Promote the adhesion of top coat
- Good penetration
- High coverage
- Excellent adhesion to concrete
- Heavy duty floors
- Excellent mechanical and abrasion resistance
- Multi-purpose use

TECHNICAL PROPERTIES

FORM	Epoxy
APPEARANCE	Pale brownish
DENSITY	1.30 ± 0.05 kg/l
SOLID CONTENT	100%
POT LIFE	45 minutes
INITIAL CURING TIME	4-6 hours
FINAL CURING TIME	18 hours
FULL CURE	7 days
SHORE D	76 after 7 days cured
RECOAT TIME	8-12 hours
COMPRESSIVE STRENGTH	70 N/mm ² after 7 days cured
TENSILE STRENGTH	20 N/mm ² after 7 days cured
BOND STRENGTH	3-5 N/mm ² to concrete 15-20 N/mm ² to steel
ABRASION RESISTANCE	50 mg loss in weight after 7 days cured
IMPACT RESISTANCE	excellent
CHEMICAL RESISTANCE	resist oils, fuels, vapours, gases, acids and alkalis
CHEMICAL RESISTANCE	10 °C

INSTRUCTION FOR USE

Surface preparation:

- All surfaces must be sound, dry, clean and free from oils, greases and other contaminations.
- Concrete must be at least 3-6 weeks old.
- The substrate must be ≤ 6% pbw moisture content, relative air humidity 80% r.h. max and the substrate temperature 10 °C min. / 35 °C max.
- Remove any loose particles, sharp edges and nips using wire brush or sand blasted.
- Any cavities, voids or cracks must be repaired.

Mixing:

- Place component B into component A and mix mechanically using a slow speed electric with 300 rpm till homogenous consistency obtained.
- Let out the mixture for about 2 minutes to avoid air bubbles.

Application:

- Should be applied using roller, brush or sprayed.
- Should be allowed to become tack - free prior to the application of epoxy coating or self levelling floorings, but in case of epoxy mortar, should be tacky.

System recommendation:

Primer

- Low porosity concrete: only one layer roller coat.
- Medium to high porosity concrete: two layers roller coat.

Surface repair putty

- Medium to high porosity concrete: two layers scratch coat by adding VYFILLER F1 as a fine filler. Epoxy screed/repair mortar 4-12 mm layer thickness by adding VYFILLER A4 as a mortar aggregate.

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CLEAN UP

Clean all tools and application equipment with suitable solvent immediately with suitable solvent

PRECUATIONS

- Mixed epoxy resins will develop temperature during their curing period.
- This could result in heat generation and possible smoking if the material is unused and kept in bulk.
- Care should be-taken to use all mixed materials within the stated pot life or provide a well-ventilated place away from other materials until any exothermic reaction has taken place and the product can be disposed of properly.
- On vertical and overhead application to provide non sag adhesion film avoid thick coat application.
- In the case of damp surfaces make sure that the material well rubbed in.

TECHNICAL SUPPORT

For any technical support, please consult **VYCON** office or visit our website <http://www.vycon-eg.com>

HEALTH AND SAFETY

Take precautions to avoid inhalation of spray mist and contact with skin and eyes. wear suitable protective clothing gloves, eye protection. if skin comes in contact it should be washed with fresh water and soap. eyes contact should be cautiously washed with fresh water. the product non toxic and non hazardous according to health and safety codes



WARRANTY: VYCON CONSTRUCTION CHEMICALS warrants that; (1) its products will perform substantially in accordance with the accompanying written materials for a period 1 year from the date or receipt. (2) The product will be free from defects in materials and workmanship under normal use for 1 year. In case of any product fails to conform to this warranty, **VYCON** will replace the product with no cost to the client. VYCON doesn't authorize anyone to make any written statement which may change the installation information or instructions of the product data. The wrong installation of the product which fails to conform to the instructions shall void the warranty.