

PRODUCT INFORMATION

SPECIFICATIONS
VYFLOOR SL3000 is complied with ASTM D4060 & ASTM C882 & ASTM C267 & ASTM C1338.

PACKAGING
VYFLOOR SL3000 is packaged 16 kg Kits

COVERAGE
 1.7 kg/m²/mm thickness

SHELF LIFE
 24 months if stored in original unopened packs.

STORAGE
VYFLOOR SL3000 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 SL3000 is 100% solids high build self levelling epoxy mortar for heavy duty applications. **VYFLOOR SL3000** provides high gloss, smooth and hygienic surface finish with excellent mechanical, impact resistance and resistant to chemicals attack.

TYPICAL APPLICATIONS

is for areas subjected to heavy duty and wheeled traffic such:

- Industrial and commercial warehouses
- Hangers and warehouses
- Laboratory floors
- Hospitals
- Pharmaceutical plants
- Agriculture plants
- Food and beverage processing facilities
- Electronic equipment plants
- Power plants
- Car show rooms
- Clubs and schools

FEATURES

- High gloss and smooth surface finish
- High durability
- Abrasion and mechanical resistant
- Impact resistant
- Chemical resistant
- Solvents resistant
- Excellent adhesion
- Solvent free low odor epoxy
- Anti-fungal growth
- Non-toxic
- Heat resistant up to 120 °C

TECHNICAL PROPERTIES

FORM	Epoxy
APPEARANCE	Colored
DENSITY	1.70 ± 0.05 kg/l
SOLID CONTENT	100% by weight
POT LIFE	30-45 minutes
INITIAL CURING TIME	8 hours
FINAL CURING TIME	24 hours
FULL CURE	7 days
SHORE D	80 after 7 days cured
COMPRESSIVE STRENGTH	70 N/mm ² after 7 days cured
TENSILE STRENGTH	20 N/mm ² after 7 days cured
BOND STRENGTH	2 N/mm ² to concrete 3 N/mm ² to steel
ABRASION RESISTANCE	75 mg loss in weight
APPLICATION TEMPERATURE	+10 °C to +35 °C
HEAT RESISTANCE	up to 120 °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.
- Concrete substrate should be minimum compressive strength 25 N/mm² and tensile strength 1.5 N/mm² and moisture content < 4%.
- Remove any loose particles, sharp edges and nips using wire brush or sand blasted.
- Substrate temperature must be between +10 °C and +35 °C.

Mixing:

- Place component B (hardener) into component A (based) and mix mechanically using a slow speed electric drill with 300 rpm, then step by step add component C (filler) to the mixture with continuous stirring till homogenous consistency obtained.
- Let out the mixture for about 2-3 minutes to avoid air bubbles.

Application

- Use **VYFLOOR SB10** as a primer roller coat, only one coat is sufficient.
- Use **VYPOXY PUTTY** as a repairing and levelling coat using a suitable knife, recommended two or more coats depending on the nature and porosity of the substrate.
- Pour **VYFLOOR SL3000** to the primed substrate and spread with a steel trowel to achieve a 2-5mm seamless topping.
- Using a spiked roller, remove air entrained and allow curing.



CLEAN UP

Clean all tools and application equipment with suitable solvent immediately

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.
- In the case of damp surfaces use heat gun to expel moisture.
- In the case of necessity to work with a different batch, apply one package and the color is checked before working with the rest of the quantity.

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.