

110HB- EPOXY FLOORING

High Build, High Performance, Solvent Based Epoxy Floor Coating

DESCRIPTION:

- **110HB-Epoxy Flooring** is a two component high performance solvent based double coats application epoxy coating dries to a tough, hard wearing, and semi-gloss finish.
- **110HB-Epoxy Flooring** is commonly utilized as a part of a complete floor system. Once cured, It has excellent abrasion, dust and chemical resistance. It is available in a variety of colors.
- **110HB-Epoxy Flooring** provides an attractive hard wearing and easily cleanable floor finish.

USES:

110HB-Epoxy Flooring can be used as a floor coating for a variety of industrial application

- assembly areas
- parking floors
- kitchens
- showrooms
- laboratories
- Warehouses

FEATURES AND BENEFITS:

- Chemical Resistance
- Resistant to oils, grease and solvents
- High abrasion Resistance
- Hygienic, easy to clean
- Slip resistance finishing
- High adhesion to the substrate

SURFACE PREPARATION:

The surface must be sound, clean free from loose material, grease, laitance, dirt curing compound, etc.

NEW CONCRETE FLOORS :Ensure that concrete screed has cured for at least 28 days and that moisture

content measured on a suitable moisture meter is less than 5%.

- Laitance and weak surface layer shall be removed using mechanical methods such as grinding or blasting .
- After blasting has been completed vacuum the substrate to remove any dust.

PREVIOUSLY PAINTED CONCRETE FLOORS

- Scrub with a suitable solvent or detergent to remove all oil grease and contaminants.
- Rinse thoroughly with clean water and allow to dry completely. Ensure that moisture content measured on a suitable moisture meter is less than 5% .
- Remove any unsound existing coatings by means of a Diamond Head Grinder.

PRIMING & REPAIR

- Priming process is a necessary for providing long life adhesion hence we should apply at least one coat of **EPS-PRIME**.
- Fill all holes, cracks and damaged concrete with **EPOXY PUTTY –G** .

MIXING:

- The individual components of **110HB-Epoxy Flooring** should be thoroughly stirred before the two are mixed together. The entire contents of the hardener container should be poured into the base container.
- Mix the materials using an electric drill with low rotation speed (300 rpm) for 2-3 minutes until homogeneous mixture is obtained.
- Manual mixing is allowed for small batch quantities for approx. 1-2 min or until a lump free homogeneous mixture is obtained.
- Depending the application way **110HB-Epoxy Flooring** can be diluted by adding 5-10% of a suitable solvent to the mix.

APPLICATION :

- The application of **110HB-Epoxy Flooring** is best carried out when the surface to be coated is above 10°C and when humidity less than 85 %.
- **110HB-Epoxy Flooring** is applied 24 hours after the primer **EPS-PRIME** has initially cured.
- It can be applied by brush, roller or airless spray at a practical spread rate.

CURING:

The applied coating can receive foot traffic in 24 hours, however it shall be allowed to cure for 7 days to achieve full cure to receive vehicular traffic and its chemical resistance properties.

coverage

- One kg from **110HB-Epoxy Flooring** cover 3-4 square meter one coat.

Standard :

- **SASO 2868 :2016**

TECHNICAL DATA

Appearance	A: resin B: Hardener
Finish	Gloss < 70 @60°
Colors	White , Gray & other colors available upon request
Non Volatile	> 85%
Specific gravity A+B	1.4±0.02 gm/cm ³
Flash point	25 °C
VOC content:	360gm/L
Touch dry	6 hours at 25 °C
Full cure	7 days at 25 °C
Pot life	>8 hours at 25 °C
Wet film thickness	150 micron
Adhesion SASO-ISO 4624:2006	>5MPa on concrete surface
Flexibility – Bending SASO 593/1990	No cracks using 18mm mandrel

Salt spray test SASO 2706:2006	No sign of blistering and corrosion
Dry film thickness	100 micron
Recommended DFT	200 micron
Mixing ratio	5A : 1B by weight

PACKAGING:

- Kit A+B = 4 kg
- Kit A+B = 15 kg

CLEAN UP INSTRUCTIONS:

110HB-Epoxy Flooring should be removed from tools and equipment with solvent immediately after use. Hardened material can only be removed mechanically.

SHELF LIFE / STORAGE:

- Factory packed pails of **110HB-Epoxy Flooring** carries a shelf life of 24 months, if stored in cool & dry place..

ENVIRONMENTAL & SAFETY PRECAUTIONS:

- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- In case of skin contact, wash with soap and water or a recognized skin cleaner.
- Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist.
- Harmful if swallowed. Do not induce vomiting. Seek medical attention.
- Flammable. Store in a cool dry place away from heat and sparks
- For further information check the Material Safety Data Sheet.