

220 SF- EPOXY FLOORING

High Performance Solvent free Epoxy Top Coat

DESCRIPTION:

- **220 SF- EPOXY FLOORING** is a 100% solids, low VOC, pigmented, heavy-duty floor coating designed for industrial and commercial applications. It is a two pack solvent free epoxy with excellent surface hardness and adhesion. It exhibits high water resistance, chemical and oil resistance.

USES:

220 SF- 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** or **SF-EPOXY PRIME**

Fill all holes, cracks and damaged concrete with **EPOXY PUTTY-G**

MIXING:

- The individual components of 220 SF- 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.

APPLICATION :

- The application of **220 SF- EPOXY FLOORING** is best carried out when the surface to be coated is above 10°C and when humidity does not exceed 85 %.



Modern Building Chemicals

- **220 SF- EPOXY FLOORING** is applied 24 hours after the primer has initially cured.
- It can be applied by brush, roller.

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 **220 SF- EPOXY FLOORING** cover 3-3.5 square meter one coat at thickness 250 µm.

TECHNICAL DATA

Appearance	A: resin pigmented B: Hardener
Finish	Gloss finish
Colors	White , Gray & other colors available upon request
Volume solid	100%
Specific gravity	1.4 kg/L
Flash point	25 °C
Touch dry	4 hours at 25 °C
Full cure	7 days at 25 °C
Pot life	20-30 minuts at 25 °C
Wet film thickness	250 micron
Dry film thickness	250 micron
Recommended DFT	500 micron
Mixing ratio	4A : 1B by weight

PACKAGING:

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

CLEAN UP INSTRUCTIONS:

220 SF- 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 **220 SF- EPOXY FLOORING** carries a shelf life of 24 months, if stored in cool & dry place. However, as temperature, humidity, water addition & other parameters vary from site to site, the information should be treated as a general guideline.

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.