



5.14 XPERT CLEAR EPOXY - 220

Solvent Free Transparent Epoxy

PRODUCT DESCRIPTION

XPERT CLEAR EPOXY - 220 is a clear two-component liquid composed of 100% thermo-setting epoxy resins. XPERT CLEAR EPOXY - 220 cures into a very hard solid while retaining a sufficient amount of resilience to withstand impact and vibrations without becoming brittle. XPERT CLEAR EPOXY - 220 is the most advanced formulation of its kind.

It is a solvent free epoxy specifically formulated as a clear, ultra-high gloss coating system that will self-level and cure at room temperature (15°C to 32°C). The system has excellent air-release and has been optimised for extended UV stability.

Note: **Care should be taken when dispensing and mixing. Do not attempt to control the cure time by altering the hardener ratio. Please note that the room temperature will affect cure characteristics.**

USES

- Crack filling and coating of marble and granites
- Micro pin hole filling of Marble
- Joint filling of two adjoining stone
- Give a good gloss and uniformity to treated stone.
- Fixing of electrical equipment.
- Decorative Coatings

FEATURES & BENEFITS

- Easily pigmented
- High strength after curing
- Excellent adhesion
- Very good gloss property
- UV resistant

TYPICAL PROPERTIES

CATEGORY	PARAMETER
COLOUR, DRY FILM	Clear/ Transparent
FINISH, DRY FILM	Smooth/Glossy
VOLUME SOLIDS (ASTM D2697)	100%
THEORETICAL SPREADING	05 SQM / KG
RECOMMENDED DFT (DRY FILM)	150 Microns/Coat
FLASH POINT	100°C
SPECIFIC GRAVITY	1.09 ± 0.05 (mixed)
POT LIFE	20 - Minutes (Depending upon Temperature as well)
MIX VISCOSITY MPAS @ 25°C	1795
THIN FILM TACK FREE TIME @ 25°C	7 hours
THIN FILM OPEN TIME @ 25°C	40 – 60 minutes
CURED TO SOLID STATE @ 25°C	24 hours
GLASS TRANSITION TEMPERATURE (TG) 24H@AMBIENT +16H@40°C	41°C
SHORE 'D' HARDNESS 24H@AMBIENT +16H@40°C	76
ADHESIVE STRENGTH	300 psi (concrete failure) ASTM C-882

APPLICATION INSTRUCTIONS

SURFACE PREPARATION:

New Construction: Concrete floors, to be coated should be allowed to cure for at least

28 days. Floor should be sound, clean and free from oils, grease, mortar, loose particles, dust etc. Laitance should be removed by the use of mechanical means such as vacuum recovery shot blasting. Moisture content should be less than 5%.



Existing Substrate: All contamination must be removed and a sound clean substrate should be exposed. Mechanical means of preparation are preferred followed by the removal of dust and other loose debris using an industrial vacuum. All cracks and minor damage-surface should be repaired and allow to dry prior to priming.

Mixing: XPERT CLEAR EPOXY - 220 is a high solids coating and may have settled slightly during storage and transportation. Shake or mix well before use.

Application: Apply the XPERT CLEAR EPOXY - 220 by brush or roller at the rate of 05 m² per kg over the entire area nominated. Allow the primer to dry for 4 hours before applying the second coat. Apply the second coat of XPERT CLEAR EPOXY - 220 in the same way as the first coat.

APPLICATION DATA:

CATEGORY	PARAMETER
APPLICATION METHOD	Airless Spray, Trowel, Roller or Brush (touch-up)
CLEANING/THINNING	XPERT EPOXY THINNER
THINNER (VOLUME)	Ready to use
AIRLESS SPRAY REQUIREMENTS	Pressure: 3000 psi
NOZZLE SIZE	0.025" - 0.030"
MIXING RATIO (BY WEIGHT)	Base: Hardener 2:1 (Mix thoroughly before use.)

Curing: XPERT CLEAR EPOXY - 220 is suitable for pedestrian traffic after 24 hours. Allow 7 days for full cure.

RECOMMENDED CONSUMPTION:

0.20 KG/-PER SQM

PACKAGING

XPERT CLEAR EPOXY - 220 is supplied in 5 KG Packing.

STORAGE

XPERT CLEAR EPOXY - 220 is a solvent-based product which must be stored in the original container with the lid firmly secured to avoid solvent loss.

PRECAUTIONS

Where temperatures less than 5°C or greater than 35°C are encountered, contact our Technical Staff for specific advice. Protective gloves, goggles and clothing should be worn.

WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to XPERT Construction Chemicals ("XPERT") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose.

Satisfactory results depend upon many factors beyond XPERT's control. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from his or her direct use, indirect use or consequential to their use of the product.

- XPERT shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.
- XPERT's sole responsibility shall be to replace that portion of the product, which proves to be defective.
- Any warranty claim must be made within six (6) months from the date of the claimed breach.
- This limited warranty applies only if the was properly stored prior to use.