



5.02 XPERT EPOXY SL-1

(Formerly known as XPERT EPOXY FLOWCRETE_SL)

Heavy Duty, Solvent Free, Epoxy Self Levelling

PRODUCT DESCRIPTION

XPERT EPOXY SL-1 is a three component, solvent free, self-smoothing, epoxy flooring. It is heavy-duty floor system based on epoxy resins, hardeners and specially selected filler material to produce a self-smoothing topping for concrete.

XPERT EPOXY SL-1 gives a glossy, seamless finish applied from 1-3mm thickness.

XPERT EPOXY SL-1 is to be applied on prepared and primed concrete surface in heavy duty industrial environment.

ADVANTAGES or FEATURES

- Seamless, hygienic and dust free environment.
- Durability, and high impact resistance.
- Resistance to spillage or splashes of mild chemicals.
- Easy application as no solvent smell.
- Excellent adhesion.
- Environment friendly, as it is non-toxic, that's why suitable for use in food industry.
- Low maintenance required.
- Available in different colours upon request.

ESTIMATING

Packaging: XPERT Epoxy SL is supplied in pre-weighed 12 kg kits comprising Base, Hardener and Fillers.

Part A (BASE) : 4.8 KG

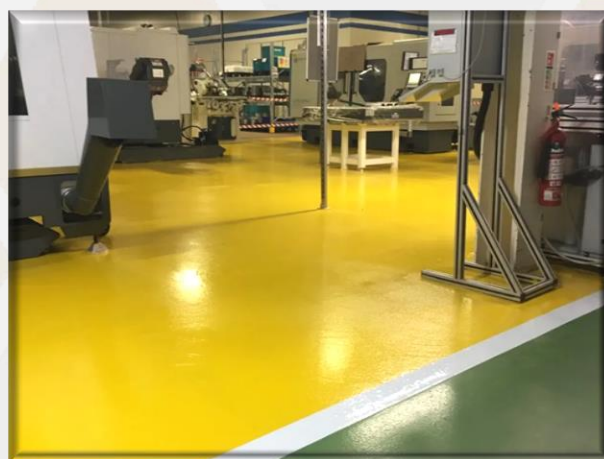
Part B (ACTIVATOR) : 1.2 KG

Part C (FILLER) : 06 KG

MATERIAL CONSUMPTION / COVERAGE:

- 3.25 - KG/m² @ 2mm Thickness.

NOTE: This estimated coverage has been calculated from the volume solids of the material and is related to the material applied onto a perfectly smooth surface without wastage. For a practical/real coverage rate, due allowance should be made for atmospheric conditions, surface roughness, geometry of the article being coated, the skill of applicator, method of application etc. when estimating quantities required for a particular job.



TYPICAL PROPERTIES

| CATEGORY | PARAMETERS |
|-------------------|------------|
| Pot Life @ 25°C | 30 minutes |
| Recoat time @25°C | 18 Hours |



| | |
|------------------------|---|
| Pedestrian movement | 24 hours |
| Light vehicle | 48 hours |
| Full Cure | 7 Days |
| Colours | GREY. For other colours please refer to shade card. |
| Mix Ratio | Base : 40% Activator : 10% Aggregate : 50% |
| Abrasion Resistance | <80mg/1000 cycle |
| Compressive Strength | 75 Mpa |
| Flexural Strength | 17.5 Mpa |
| Tensile Strength | 10 Mpa |
| Oil & Water Absorption | Nil |
| Viscosity | 4500-5500 mPas |
| Density | 1.75 Kg/Litre |

CHEMICAL RESISTANCE

XPERT EPOXY SL-1 shows good chemicals, acid and base resistant. For more information about specific chemical resistance, please contact XPERT CCPL's Technical staff.

APPLICATION INSTRUCTIONS

Preparation: All contacted surfaces must be free of oil. Grease or other contamination which may inhibit bond. Any loose concrete should be removed and repaired to provide a solid foundation. Remove any previously applied coating using grit blasting, milling or grinding. Surface aggregate must be exposed and any repair must be done before application using XPERT's cementitious or Epoxy repair system. Prime the surface using XPERT EPOPRIME-10 to fill surface porosity. Fill any holes or large depressions with XPERT EPOXY SL-1 scratch coat to minimize any surface defects.

Mixing: XPERT EPOXY SL-1 is suitable for mixing using a slow speed drill mixer (300-600 RPM). Add Part B i.e., "**Activator**" into

Part B i.e., "**Base**" and mix for 1 to 2 minutes to ensure thorough mixing. Slowly add Part C i.e., "**Filler**" while mixing until mixture becomes homogenous. Mix for 3 - 5 minutes before use. Only mix that quantity of material, (usually 1 - 2 SETs at a time), that can be used within the setting time.

Application: Apply the XPERT EPOXY SL-1 by notched trowel and spread to the required thickness level in an even pattern over the floor. Immediately after laying, the material should be rolled with a spiked roller to remove any trowel marks and assist with the release of any entrapped air. Rolling should be carried out several times before the initial set of the material. Always roll in the same direction during any pass over the floor.

The applicator should always wear spike shoes when walking on the material.

Rolling should stop before the material starts to gel.

Curing: XPERT EPOXY SL-1 is suitable for pedestrian traffic after 24 hours. Allow 7 days for full cure. Curing time may differ in case of low temperature as it increases the reaction time of the polymers and vice versa.

CLEANING:

Clean up all equipment and tools with XPERT SOLVENT CLEANER immediately after use.

STORAGE

XPERT EPOXY SL-1 must be stored in dry, frost-free area and out of direct sun light in the original sealed containers.

PRECAUTIONS

Where temperatures less than 5°C or greater than 35°C, contact XPERT's Technical Staff for specific advice. XPERT EPOXY SL-1 is non-toxic, but it is alkaline in nature.

Protective gloves, goggles and clothing should be worn. Repeated contact with



epoxy resins and hardeners can cause sensitization in some people handling this type of product. Where this occurs seek medical advice before continuing use. XPERT EPOXY SL-1 may be subject to some slight surface imperfections such as dimpling dependent on site conditions and these should be considered normal. They will not affect the wearing properties of the floor or the seamless / hygienic properties of the floor, but may be noticeable under certain lighting patterns. New concrete should be 28 days old or have a moisture content of less than 5% prior to laying XPERT EPOXY SL-1.

NOTE

FIRST AID:

Eyes: In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.

Skin: Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.

Inhalation: Remove to fresh air, loosen collar and keep patient rested.

Ingestion: In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention. For further safety information, please refer to our Material Safety Data Sheet (MSDS)

Material safety data sheets for these and all XPERT products are available on request. Read the MSDS and product label carefully before using. All reasonable care is taken in the compilation of this data sheet. All recommendations regarding use are made without guarantee as the conditions of use are beyond the control of the manufacturer.

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 product was properly installed and used according to all instructions.
- This limited warranty applies only if the was properly stored prior to use.