



5.05 XPRT EPOXY FLOOR COAT

Chemical Resistant Epoxy (Solvent Free Coatings)

PRODUCT DESCRIPTION

XPRT EPOXY FLOOR COAT is a high build, 100% solids, solvent free, and polyamine epoxy system. This product is designed especially for concrete floor application where maximum durability and chemical resistance are factors. This high gloss product is available in clear and colour formulations.

USES AND BENIFITS

Uses: Existing concrete floors subjected to heavy traffic, the resin serves as an adhesive within the slab to further strengthen concrete floors, particularly around minor cracks, crevices and weak spots. Concrete floors requiring a smooth, nonporous surface. Work areas needing improved aesthetics. The high gloss finish is smooth, durable and easy to clean, aiding in reducing maintenance cost.

Recommended for: Industrial warehousing, paper mills, automotive garages, canneries, packing plants aircraft hangars, wastewater treatment plants, ice-and roller-skating rinks, prison floors, parking garages.

Benefits: Virtually odour free during installation and curing. Equipment can be cleaned with common solvents. The final appearance of the coated concrete is a smooth high gloss finish.

AVAILABILITY

XPRT EPOXY FLOOR COAT is Packaged in 2.5kgs, 5kgs & 20 Kg Packing.

COVERAGE

One coat will cover the concrete adequately. A second coat may be necessary to fill the pin holes left behind from the entrapped air bubbling through on

first coat. Coverage of 20-25 square feet per kg with two coats will leave a coating 150 micron thick. This will vary depending on surface porosity, smoothness and application. A test patch should be applied to determine proper results and coverage rates.

PROPERTIES

CATEGORY	PARAMETERS
Viscosity	2400 cps
Weight per Gallon	10.77 #
Solids by Weight	100%
Mixed	Base + Hardener
Specific Gravity	1.6 @ 20°C
Solids by Volume	100%
Crypto Meter Hide	N. A
Initial Gloss @ 60°	High
Dry Film Thickness	As Desired
Flash Point	None
Flexibility	Pass
Conical Mandrel	¼ inches
Pencil Hardness	Min 3H-6H Cured fully
Crosshatch Adhesion	%age/min 100%
Lead	None
A.I.M. Category	Floor Coatings

A.I.M. Definition – An opaque coating with a high degree of abrasion resistance that is formulated and recommended for application to flooring including, but not limited to, decks, porches and steps in a residential setting.

Primer: Concrete surface should be primed with epoxy-based primer XPRT EP - 100.

TECHNICAL DATA

XPRT EPOXY FLOOR COAT is 100% solids, solvent free and polyamine epoxy system.

APPLICATION PROCEDURES

Before using this product, read the Material Safety Data Sheet for complete safety



information. XPERT EPOXY FLOOR COAT Maximum Solids Epoxy coating is designed for installation over clean, dry textured concrete.

New Concrete: The concrete should be cured with curing compound material or water cured for a minimum of 7 days. These systems will leave the floor open for acid etching and application later. The concrete should be 28 days old and have a chance to dry out. If the concrete is poured in a wet environment other mechanical means will be necessary to dry out the concrete.

Old Concrete: The concrete surface must be clean and dry. The preferred preparation method is by mechanical surface blasting; sandblasting or shot blasting. Acid etching may be used, but it must be done properly and safely. Apply by airless or conventional spray, brush, high quality roller or weight bar. Apply in a uniform manner and maintain a wet edge to prevent lap marks. To prevent out gassing assure that the concrete is completely dry and that the coating is being applied as the substrate is cooling. If a second coat is applied do so at a 90° angle from the first coat. Recent window is 24-48 hours.

MIXING INSTRUCTIONS

Thoroughly mix equal parts of A and B in a clean container for 5 minutes. Longer mixing time will reduce working time, avoid whipping air into mixture. Mix only enough material that can be used according to the pot life schedule. No induction time is required. This product is ready to use immediately. Pot life of mixed material is approximately 30-45 minutes at 75°F.

DRYING TIME

At normal temperature (72°F) approximately 4 hours. Allow 24 hours for light foot traffic, 36 hours for normal foot traffic, 48 hours for wheeled traffic and 72 hours for exposure to chemicals.

LIMITATIONS

Concrete must be completely cured and dry before application.

- Do not apply over surfaces that are frozen, structurally unsound or where water or water vapor is being transmitted through the concrete.
- Do not use on asphalt.
- XPERT EPOXY FLOOR COAT is designed for indoor use.
- Do not use once pot life has expired.
- Do not mix freshly catalysed material with previous catalysed material.

PRECAUTIONS

Vapor harmful. May affect the brain or central nervous system causing dizziness, headache or nausea. Causes eye irritation. Causes skin irritation. Causes nose and throat irritation. May cause allergic skin reaction. Harmful if swallowed. Use only with adequate ventilation.

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.
- This limited warranty applies only if the was properly stored prior to use.