

ATECH PLUS

Flooring Solutions

EPOFLOOR® SP

Pigmented Epoxy Coating for Immersion Situations

- High Solids
- Multitude of Colours
- Quick Cure

Description

EPOFLOOR® SP is a two-component, high solids epoxy coating with good wetting properties and low temperature curing. It is used for all industrial flooring or containment situation such as swimming pools for protection of concrete and to prevent leakages of water from the containment.

Major Applications

- Swimming Pools
- Industrial Floors
- Industrial plants in the pharmaceutical and electronic industries

PHYSICAL PROPERTIES EPOFLOOR SP

Surface Finish	Glossy
Volume Solids, %	80 ± 1
Mix Ratio	3:1 By Volume
Specific Gravity	1.5
Theoretical Spreading Rate	4 m ² /litre - 200 micron
Dry to Touch	4 (approx.) hours at 20°C
Fully Cured	7 days at 20°C
V.O.C.	220 g/litre

Surface Preparation

The existing surface needs to be free of fats, oils, curing agents, surface laitance and other recognisable contaminants. Shot blasting or diamond grinding are the preferred techniques. The finished prepared surface must have a tensile shear strength capable of absorbing the shear stresses applied by the epoxy coating as a result of thermal movement. The German standard (DIN 1048 part 2) measures this property and a result of minimum 2 MPa is expected from properly prepared surfaces. Poorer preparation may result in cohesive shear failure of the concrete substrate.

Application

All of the hardener is added to the resin component and mixed with a mechanical stirrer for a minimum of 3 minutes. The mixed components is then applied with a quality roller suitable for gloss paints. Low cost rollers are not suitable as the tacky consistency of epoxy coatings will lead to fluff entrapment. If insufficient labour is available to spread the mixed coating the kits should be proportioned according to the directions on the label. Epoxy solvent may be added to thin the coating where conditions allow. Application by squeegee is also widely used. For applications in swimming pools, a prime coat of EPOFLOOR® GPX (Refer separate data sheet), thinned with 10% Xylene is applied and allowed to cure for at least 24 hours, prior to application of EPOFLOOR® SP.

- Suitable for Submerged Applications
- Suitable for Swimming Pools (Approved applicators only)
- Self Priming

Packaging

4 Litres and 20 Litres.

Environmental Hazards & Conditions

The presence of surface water, humidity and temperature can drastically affect the quality of any epoxy finish. Products should be applied as near to 20°C as possible. Humidity should be below 80% to prevent surface water spotting due to condensation. Rising temperatures can cause surface bubbling, product should be applied when the surface is cooling.

PRODUCT LIMITATIONS

For application in swimming pools, no warranty on the durability of the coating is expressly given or implied. Swimming pool situations are unique, as there could be rising moisture from the concrete, the concrete may move, the quantity of chemicals added in the water may vary greatly etc. All epoxy coatings will chalk over time as well. Given these situations, no warranty can be given or assumed.

Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by ATECH either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not ATECH are responsible for carrying out procedures appropriate to a specific application.

Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at time of print. As the information herein is of a general nature, no assumption can be made as to the products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

Safety Precautions

Epoxy products may cause allergic reactions through skin contact, goggles, protective gloves and overalls must be worn. Ensure that there is adequate ventilation and avoid breathing the vapour.

Exclusion Clause

1. The information contained in this data sheet is based on many years experience and is correct to the best of our knowledge. ATECH will be under no liability whatsoever whether in:
 - a) Contract or tort (including, without limitation, negligence)
 - b) Breach of statute
 - c) Any other legal or equitable obligation other than the quality of the product at the time of despatch.
2. Any queries about specification use or application should be directed to our technical service department immediately.
3. This exclusion clause does not operate to exclude any warranty that by law may not be excluded.



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