

ATECH PLUS

Flooring Solutions

EPOFLOOR® 200

Specialist Epoxy Resin Sealer

- 100% Solids
- Solvent Free
- High Impact Resistance
- Good Chemical Resistance

Description

EpoFloor® 200 is designed to produce clear and decorative finishes for concrete, tiles, fibrous cement sheet and timber decking. It is used as a sealing resin, once the base decorative topping has been applied. It produces a high quality surface finish with high chemical resistance to fats and solvents. The sealer is light stable and subject to minimal yellowing, when used indoors and not exposed to direct sunlight

Major Applications

- Workshop floors
- Designer floor finish for offices, bulk warehouses, supermarkets, restaurants and retail outlets.
- Upmarket, alternative flooring system for architect designed residential projects.
- Non slip, utility finish for ablution blocks in public buildings, sporting and entertainment centres, schools, mines and factories.
- Protective finish in motor workshops, aircraft hangers, bulk factory outlets and general back of house retail trade.
- Functional, yet attractive, protective toppings for food processing establishments such as commercial kitchens, bakeries, bars, service counters and fast food restaurants.
- High impact toppings for abattoirs and meat processing
- Decorative, trafficable coatings for balconies and patios.

Surface Preparation

Clear sealers will reflect the character of the surface underneath, preparation methods need to take into account the desired finish. Porous, weakly bound, friable surfaces may result in flaking due to cohesive substrate failure; this can usually be corrected by surface grinding. Priming with a low viscosity penetrating and binding sealer may however become necessary on some occasions.

Mixing & Work Time

Resin and hardener need to be mixed according to the ratios designated on the container label. Mix only the quantity of product that can be applied within the work life of the product. The work life is temperature dependant and will halve with an increase of 10°C and double with a decrease of 10°C. Leaving the mixed product in the mixing container will reduce the work time and shorten the cure time due to heat build up in the mixed product.

TYPICAL PROPERTIES EPOFLOOR® 200		
Viscosity	Resin	430
	Hardener	Not Available
Mix Ratio (By Volume)		2:1
Film Characteristics		High Gloss
Impact Resistance		Excellent
UV Stability		Yellows Outdoors
Impact Resistance		Very High
Solvent/Fat Resistance		Excellent
Acid Resistance		Moderate
Pot Life		20Min
Tack Free Time		6 Hours
Slip Resistance AS/NZS 4586:2004		Class X
With 15% Aluminium Oxide		Class V

Application and Coverage

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 are poured on the floor in a thin line and spread 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. The rate of material usage can vary enormously, from 3 sqm/litre for a sand seeded floor to 8 sqm/litre on a smooth floor

Packaging

EPOFLOOR® 200 is available in 9 litre kits comprising 6 litres of Part A and 3 litres of Part B hardener. Packaging also available in 20 litre bulk packaging.

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.

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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