

ARMOFLOOR EP200

Epoxy Floor Coating

Description:

ARMOFLOOR EP200 is a solvent based epoxy floor coating. Manufactured in colored dual pack system, base and hardener. It is suitable for chemical protection of industrial pavements, reinforced concrete, slabs, mechanical rooms and metallic structures.

ARMOFLOOR EP200 adheres perfectly to a variety of supports like: concrete, metal, wood, stoneware, etc. Once cured, the applied material becomes anti dust, smooth, semi-gloss, tough finish that has excellent resistance to abrasion, impact and spillage of solvent, fuel, diesel, oil, diluted acid and alkaline solutions.

Applications:

ARMOFLOOR EP200 is designed for application in two coats to achieve a total dry film thickness of minimum 200 microns in variety of applications including:

- Car parks & ramps
- Storage areas and hangers
- Production assembly areas like workshops
- Production faculties and industrial flooring
- Decorative flooring for shops and malls
- Metallic surfaces
- Walls at laboratories mechanical rooms, any walls require protective coating

Advantages:

- High mechanical and abrasion resistant
- Stable colours
- Durable and low maintenance cost
- Chemical resistant
- Excellent adhesion to substrate.
- Ease of application, requires no thinner
- Durable and hygienic finish.

Instructions for Use:

Surface Preparation:

All surfaces should be sound, clean, dry and free from loose material, efflorescence, laitance, curing

compounds, dirt, oil and grease. Ensure that concrete floors are fully cured for at least 28 days in order to allow all shrinkage movements to take place.

Prepare floor using mechanical preparation methods such as: Grinding, captive blasting, or sand blasting. If the substrate is restricted to access, utilize preparation by handy mechanical tools. Perform necessary repairs to cracks, damaged substrate or voids filling by means of proper repair products from MATEX product range. Apply a rich coat of ARMOPRIME EP70 to enhance mechanical adhesion between the coating and the substrate in case of porous surfaces.

For applications on metal surfaces, apply ARMOPRIME EP70 or EP100 immediately to prevent further oxidization to the surface after mechanical preparation by Sand blasting or mechanical wire brush is completed.

Mixing:

Mix the contents of component A (Base) with a low speed mixer for two minutes to homogenize the material of the container. Slowly add the contents of part B (Hardener) to Part A container. Mix thoroughly the material for an interval of 3-4 minutes to obtain a homogenous, color consistent, lump free mixture.

Application:

Apply ARMOFLOOR EP200 with a roller, brush or a spray machine to the well prepared substrate at a consumption note of 6-9 m²/litre in 2 coats. The 2nd coat shall be applied after the 1st coat is fully dry. The total DFT of the quantity shall be a minimum 200 microns.

For anti-slip flooring, apply the selected aggregate size in the rate set by design while the coating is still wet, once coating is dry (15-24 hours), remove excess aggregates. It is preferable to apply the subsequent coat with either ARMOFLOOR EP 500 or two more coats of ARMOFLOOR EP200 within a time

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frame of 24 hours to ensure proper coverage for the quartz. . Allow 3 days for pedestrian traffic and 7 days for full traffic to ensure proper curing of the material.

Standards:

ARMOFLOOR EP200 conforms to:

- ASTM D 4060
- BS 6319, PART 7

TECHNICAL PROPERTIES	
Color:	: Standard MATEX Flooring Color Chart
Appearance	: Fluid Coating
Abrasion strength	: 90 mg/1000 cycles
Bond strength	: 2.0 N/mm ² (failure within concrete)
Density	: 1.42 Kg. / Lt.
Pot-life time at 25°C	: 60 minutes
Heat Resistance	: +5°C to +90°C
Temp. of application	: +5°C to +40°C
Dry at touch	: 4 hours
Completely dry	: 7 days @ 25°C
Application Temperature	: +5°C to +40°C

Packaging:

ARMOFLOOR EP200 is available in 4 liter and 15 liter set of two parts metallic containers.

Cleaning:

All tools must be cleaned with ARMOSOLVENT before hardening.

Coverage:

ARMOFLOOR EP200 achieves coverage of approx. 6.0 square meters per liter @ 100 micron DFT.

Storage:

Store in original packing in dry conditions away from direct sunlight and in temperature controlled warehouse. Stored at +15°C to 25°C

Shelf Life:

ARMOFLOOR EP200 can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

Remarks:

ARMOFLOOR EP200 should not be applied in the following cases:

- Onto surfaces likely to suffer from rising dampness or moisture contents.
- On asphalt floors or PVC tiles
- Onto surfaces likely to suffer from rising damp or humidity RH > 70%
- When ambient temperatures is less than 5°C.

Health and Safety:

- Use goggles and gloves during application. Do not breathe the vapor of the product. Use only in well ventilated areas.
- Avoid contact with eyes or skin. In case of contact with eyes, clean with plenty of clean water and seek medical assistance.
- Avoid direct contact with flames and fire.

MATEX Rev.04-0620

This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

