

Technical Data Sheet

OmegaEpoxyPaint No. 12000

Epoxy Solvent Based Abrasion & Chemical Resistant

DESCRIPTION

OmegaEpoxyPaint No.12000 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.

OmegaEpoxyPaint No.12000 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

OmegaEpoxyPaint No.12000 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 or by using OmegaEpoxyPutty No.11009. Apply a rich coat of OmegaEpoxyPrimer No.11001 for new or non painted concrete in case of porous surfaces. For previously painted surfaces use OmegaEpoxyPrimer No. 11002 to insure to enhance mechanical adhesion between the coating and the substrate.

For applications on metal surfaces, apply OmegaEpoxyZincRichPrimer No.11088 to prevent 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 X (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 OmegaEpoxyPaint No.12000 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 OmegaEpoxySF No.13000 or two more coats of OmegaEpoxyPaint No.12000 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

OmegaEpoxyPaint No.12000 conforms to:

- ASTM D 4060
- BS 6319, PART 7

TECHNICAL DATA

Color:	Standard OMEGA 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	90 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

OmegaEpoxyPaint No.12000 is available in 3.8 liter and 19 liter set of two parts metallic containers.

CLEANING

All tools must be cleaned with OMEGA SOL-EPOXY before hardening.

COVERAGE

OmegaEpoxyPaint No.12000 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 30°C

SHELF LIFE

OmegaEpoxyPaint No.12000 can be utilized within 24 months of production date if stored in proper conditions in unopened original packing.

REMARKS

OmegaEpoxyPaint No.12000 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.

