

ARMOTOP EW10

Water Based Epoxy floor and wall Coating

Description:

ARMOTOP EW10 is a two component water based, environmentally friendly epoxy coating. It has an excellent adhesive bond to the substrate designed to provide a hard, semi-matt seal to concrete floors, walls, and other substrates.

ARMOTOP EW10 is produced as a clear resin but can be supplied in colors as per our standard color chart.

Applications:

ARMOTOP EW10 is used as a protective coat on flooring systems either cement based or epoxy flooring systems at:

- Soft drink and beverage production areas.
- Kitchen walls.
- Pedestrian walk ways and yards
- Warehouses.
- Hospitals walls.
- Fish and meat processing plant walls.
- General food processing and manufacturing plants.
- Light vehicular traffic areas.

Advantages:

- Water based, odor free
- Semi-gloss , transparent version available
- Moisture tolerant.
- Dust free surfaces.
- Available in a wide range of colors.
- Cost effective.
- Anti-bacterial coating. Ideal for hygienic applications
- Good chemical and mechanical resistance
- Easy application.

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.

ARMOTOP EW10 is a topping applied as a protective coating on cement based flooring like self-levelling and screeds, polished concrete and stamped concrete the cementitious products has to be cured for at least 7 days before application.

When applied as a semi-gloss protective coating on other epoxy systems, ARMOTOP EW10 can be applied with 24 hours of the epoxy coating or screed system application.

When applied as a standalone product for walls and floors Porous substrates should be primed with ARMOTOP EW10 diluted with 10% by volume with potable water. Mixing should be carried out by heavy duty slow speed drill mixer.

Mixing:

ARMOTOP EW10 must be mixed mechanically with low speed drill mixer fitted with suitable paddle. To prepare the mix, add the contents of Part B (hardener) to Part A (base) container, and mix for minimum of 3 minutes till obtaining a homogeneous mix. Do not mix partially the base and the hardener. Mix the complete kit at a time.

After mixing Part A and Part B, addition of water is required to adjust the application viscosity. Add water slowly while mixing in the ratio of 1 part water: 4 parts mixture (A&B).

Application:

Apply ARMOTOP EW10 with brush, roller or spray machine. Apply to substrate in rich amount to ensure proper penetration and coverage of the surface. The application rate varies 8 to 10 m²/Lt., dependent on the roughness of substrate. If the floor is broadcasted

ARMOTOP EW10

with aggregates for anti-slip application, coverage of ARMOTOP EW10 will be less than 7 m²/Lt.

The second coat, when needed in heavy foot traffic areas, can be applied within 18 hours of applying the first coat. If the coating is applied after that, then the first coat should be sanded slightly and cleaned before applying the second coat.

Standards:

ARMOTOP EW10 conforms to:

- ASTM C 109, ASTM C 1042, and ASTM C 191

TECHNICAL PROPERTIES	
Appearance	: Fluid Liquid
Color	: Transparent or colored
Density	: 1.20± 5% Kg. /Lt.
Pot-life time at 25°C	: 60 minutes
Compressive Strength	: 50 N / mm ²
Dry film thickness	: 100 micron
Taber Abrasion resistance D4060	: 80 milligram
Hardening at 25°C	: 5 hour
Full Curing	: 7 days
VOC	: Less than 20 gm/ L
Chemical resistance	: Resistance to wide range chemicals

Packaging:

ARMOTOP EW10 is available in 15 liter dual metallic containers.

Storage:

Store in original packing in dry conditions away from direct sunlight in temperature controlled warehouse.

Shelf Life:

ARMOTOP EW10 can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

Limitations:

- ARMOTOP EW10 should not be applied on surfaces likely to suffer of rising dampness
- Product should not be applied when humidity is greater than 80%
- Surfaces coated with ARMOTOP EW10 can be only maintained and cleaned regularly using detergent and hot water with rotary scrubbing machine

Cleaning:

Clean tools and equipment with water before material harden.

Health and Safety:

- Use goggles and gloves during application.
- Ensure adequate ventilation at site and avoid inhalation of vapors.
- Avoid contact with eyes or skin.
- Treat any splashes to the skin or eyes with fresh water immediately. Should the product be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

MATEX Rev.01-0217

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.

