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BestCoaltar EP720

Chemical resistance epoxy-resin-coal combination coating, two components, solvent based.

Description:

BestCoaltar EP720 is a protective and waterproof coating, durable, tear resistant, chemical and erosion resistance, effective protection for concrete and steel structures. BestCoaltar EP720 is a two-component compound made from special epoxy resin combined with refined coal tar and inert silicate based aggregate. BestCoaltar EP720 conforms to BS 5493: KF 3 B.

Application:

BestCoaltar EP720 is applied as a protective and waterproof coating for both internal and external surfaces of concrete, steel structures in the ground or in constant contact with water, chemicals, waste ... such as:

- Waste water treatment system, industrial waste, domestic waste such as ditches, sewers, tanks, treatment tanks ...
- Structure of foundations, beams, basements in areas of high corrosion due to chemicals, seawater or sulphate erosion.
- Hydraulic steel structures are constantly in contact with strong corrosion agents.
- Chemical industry, jetty, coastal construction works ...
- BestCoaltar EP720 is not suitable for places in direct contact with drinking water, food, domestic animals ...

Advantage:

- Solidify protect, effective water proof under action of erosion agent, corrosion, ...
- High stability under action of seawater, microbe, ..
- Impact resistance, no tear, mechanic abrasion resistance.
- Well binding strenght, high adhesion, no blister.
- Easy to construct by simple instrument such as reel, brush, injector, ..
- Construction time is long to avoid wasting material

Product data:

Packing: 25 kg/bag.

Color: A: Viscous liquid, black, B: Light yellow liquid or

A: 1.36 ± 0.02 kg/liter (25°C)

Density Mass: B: 0.90± 0.02 kg/liter (25°C)

A+B: 1.23 ± 0.02 kg/liter (25°C)

Mixing ratio: Part A: Part B= 4/1 (by weight)

Consumption density: 0.3 ÷ 0.4 kg/m²/layer (depend on surface status). Should apply two to three layers.

Construction temperature: Ambient temperature: 15°C ÷ 40°C

Max. relative humidity of air: 80%

Construction time: 8 hours after mixing.

Dry surface time: 9 hours after construction.

Start/finish hardening: 10 hours after mixing/ 10 days after constructing (depending on the thick of the coating)

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Shelf life:	12 months if stored in original, unopened conditions.
Chemical resistance:	BestCoaltar EP720 is resistant to water, seawater, detergents, diluted acids and alkalis, neutral salts, grease, fuels and many other chemicals. Without algae and microorganisms sticking. Not stable under prolonged contact with phenols, oxidizing acids, and hydrocarbon chloride.
Mechanic stability:	No tear, impact and mechanic abrasion resistance.

Instruction of construction:

Surface preparation:	<p>The concrete or metal surface has to be completely dry, and solid without any grease, dirt, moss, mold, etc. The bad adhesion or old material must be completely removed.</p> <p>Concrete surface: Compressive strength: ≥ 20 MPa, Tensile strength: ≥ 1.5 MPa. The surface has to be flat, solid, and dry, maximum moisture is 4% (if BestPrimer EP703 is not used).</p> <p>For strong absorbent concrete surfaces or high gloss steel surfaces, must apply BestPrimer EP701 before applying BestCoaltar EP720.</p>
Mixing:	<p>Use an electric mixer or slow-speed pneumatic (400 ÷ 500 cycles/min) to mix Component A well before pouring all the Component B into Component A. Continue mixing really well and control the mixing paddle up and down several times to turn the mixture until homogeneous (Mixing time 3 ÷ 5 min).</p> <p>When applying the first coat on the concrete surface, dilute by about 3 to 5% Thinner SC-01 (by weight) in order to increase penetration into the material surface.</p>
Construction:	<p>Use a brush, short-spike roller, or pressure nozzle to evenly distribute the mixture over the entire surface.</p> <p>When applying the second layer, it should be perpendicular to the first layer. The pending time for the next two coats can be 24 hours to 3 days, depending on the environment's condition and the temperature, it's advised to monitor the status of the actual curing time of materials to decide when will be the next appropriate coat. Within 24 hours from the time of application, the surface must avoid direct contact with rainwater or any mechanical force.</p>
Sanitation:	Use a dry cloth or soft paper to clean equipment, and instruments before using Thinner SC01 to wash finally.
Safety:	<p>Two components are dangerous, flammable, and allergic when contacting directly to the skin.</p> <p>PPEs must be worn. If gushing out eyes, noses, and mouth, must be washed with fresh water before taking to the nearest hospital.</p> <p>Should ventilate the construction area with a ventilation fan.</p> <p>Unconditional, NO place product or constructing area contact directly to flame or heat genetic source.</p> <p>Pouring residual products in regulation place of local government to ensure no effect on the environment.</p>

Disclaimer: *The technical information and application instruction in documents of BESTMIX are based on BESTMIX's current knowledge and practical experience. The information here only describes the general nature of the product, so users should test the product for each purpose. BESTMIX has the right to change features of our product, user must always refer to latest technology product.*

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