

SuperCoat EP6000

High quality, non-toxic, solvent free epoxy protective coating for concrete and metal

Product Description

Supercoat EP6000 is a modified two components, solvent free, non-toxic; high build epoxy resin protective coating system based on special epoxy resins all solids suitable for potable water top coat finish system with outstanding chemical and mechanical properties.

Areas of Application

- Used on stable substrates in areas that requires a fluid-tight, dust-free, chemical-resistant and durable floor finish.
- Heavy duty protective coating for concrete, steel and ceramic.
- As a protective lining for potable water concrete or steel tanks.
- suitable for scattering deco flakes, and offers an ideal floor system for schools, workshops, refrigeration cells, galleries, locker rooms, etc.
- Used for wall and floor coating in food processing plants, grain silos, dairies, breweries, hospitals and pharmaceutical industries.
- Poultry processing plants.
- Used as a protective coating for power stations, oil refineries, and sewage treatment plants.



Advantages

- Excellent chemical and mechanical resistance
- Easy application.
- Approved for use in contact with potable water.
- Excellent resistance to mold and fungus growth.
- Pourable.
- Non-toxic.

Disposal

Empty packages can be thrown to the collection bins according to regional-local regulations or recycling rules. After drying up and hardening the used waste material, throw it away as construction waste material. It is dangerous to dispose of product wastes by burning them.

Points to Take into Consideration

Keep the products in places out of reach of children. Always keep the cover of the products closed. It is recommended to wear gloves and goggles during operation. In case of contact of skin with the material, it should be washed with soap and water immediately. In case of contact with the eye, see your doctor immediately.

General Considerations

Above-mentioned product information and descriptions are prepared for guidance purposes as a result of our experiences and meticulous studies. The variety of related materials and their different construction and operation conditions can not be controlled or influenced by us individually. For applications beyond our control, the guarantee status is only limited to the quality of sold product. Except the manufacturing of the product, no guarantee is given for application. This technical sheet invalidates all the existing sheets. The quality of the performed job may vary depending on your professional use of the product. If you are hesitant, make a little test or get technical help.

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- Economical.
- Liquid proof.
- Dust proof.
- Used as a washable epoxy paint.
- Gloss finish.
- Resistance to sewage effluents.
- Slip resistant surface possible
- Zero VOC.

Technical Data

Property:	
Density	~1.7 Kg/ cm ³ (at 23°C)
Viscosity	85 -110 KU (~3000 mPa.s)
Color:	Grey and blue and other colours on request
Thinning	none
Superficial Dry Time	4-6 hours (at 23°C)
Full – dry Time	16 – 24 hours (at 23°C)
Full Curing Time	7 days
Pot life	~ 30 minutes
Brightness and Color	Glossy, RAL. 7035 (other colors can be supplied on demand)

Chemical resistance

Resistant against: Dilute acids, dilute and concentrated alkalis, cleaning detergents and disinfectants, herbal, mineral and animal oils, fresh water and sea water, diesel, gasoline, alcohol and many other solvents.

*Color change may be observed due to effects of chemicals. This study was held at room temperature. High temperature values and/or mix of chemicals may affect chemical durability.

Substrate quality

The concrete substrate must be sound and of sufficient compressive strength (minimum 21 N/mm²) with a minimum pull off strength of 1.5 N/mm².

The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.

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substrate preparation

Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate Ridge products.

The concrete or screed substrate has to be primed or levelled in order to achieve an even surface. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

Mixing

- To ensure proper mixing, a mechanically powered mixer of drill fitted with suitable paddle should be used.
- Stir the content of each component separately to disperse any settlement. Add the entire content of the hardener to the base and mix for 2-4 minutes and until uniform color and consistency are achieved. Avoid mixing too much in order to minimize air entrainment

Application/ Conditions / Limitations

Surface moisture content : moisture content <4 % unit by weight.

Relative air humidity should be maximum 80%.

- SubstrateTemp.: Minimum +10°C, maximum + 35°C
- AmbientTemp.: Minimum +10°C, maximum + 40°C
- Material Temp. Minimum +10°C, maximum + 30°C

Consumption

Coating system (400 microne dry film thickness) :

Primer : EpoBond 7500 (or any other recommended Ridge Epoxy Primer (0.3 - 0.5 Kg/m²).

Roller coating: Supercoat EP6000 (0.3 - 0.5 Kg/m²) for each layer.

*The above values are theoretical and do not include additional material needs that may depend on surface porosity, profile, leveling differences and loss.

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Packaging

Supercoat EP6000 is available in 5, 10 and 20 Kg packs.

General Matters

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Disposal

Empty packings can be disposed to collection bins according to regional/local regulations or recycling rules. Dispose used waste materials as construction waste materials after drying and hardening. It is dangerous to dispose by burning the product remnants.

Safety Information

Keep the products out of reach of children. Keep the lids of the products closed. It is recommended to use gloves and goggles during application. In case of contact with skin, wash immediately with soap. In case of contact with eyes, immediately consult a doctor. For more information, please refer to the material safety data sheet.

Storage

Supercoat EP6000 has a shelf life of 12 months from date of manufacture (in dry condition and room temperature) in unopened packs.

Fire

Supercoat EP6000 is nonflammable .

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