

SuperCoat PU6000

High performance Polyurethane based, non-toxic protective coating for concrete and metal

Product Description

Supercoat PU6000 is a two component, non-toxic, solvent free, polyurethane based waterproofing coat with crack bridging capability.

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 and steel.
- 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, tunnels, 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 resistance to chemicals (solvents, oils, sea water, thinned acids and sulphates).
- Easy application.
- Approved for use in contact with potable water.
- Excellent resistance to mold and fungus growth.
- Resistance to temperature variations (-30 °C / +120 °C)
- Non-toxic.
- Liquid proof.
- Dust proof.
- High flexibility, crack bridging properties.
- Can be applied both to horizontal and vertical surfaces.
- Used as a washable polyurethane paint.

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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- Semi-gloss finish.
- Resistance to sewage effluents.
- Slip resistant surface possible.
- Available in different colors.

Technical Data

Property:	
SuperCoat PU6000 Part A	Polyurethane Resin
SuperCoat PU6000 Part B	Polyurethane Hardener
Mixture Ratio	5/1 : A/B (by weight)
Color:	Grey and sky blue and other colours on request
Density	(+20 °C gr/cm ³) 1.40 ± 0.05
Potlife (500 gr + 23 °C)	30 min.
Stand on	12 hours
Exact Hardness	3 days
Minimum application temperature	5 °C
Service Temperature	-40 °C to + 120 °C

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.

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.

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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 3 minutes and until uniform color and consistency are achieved.

Application/ Conditions / Limitations

- SubstrateTemp. Minimum +5°C, maximum + 40°C
- AmbientTemp. Minimum +5°C, maximum + 40°C
- Material Temp. Minimum +5 °C, maximum + 30°C

Packaging

Supercoat PU6000 is available in 6 and 12 Kg packs/ set (two components).

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 PU6000 (0.3 - 0.5 Kg/m²) for each layer.

Storage

Supercoat PU6000 has a shelf life of 24 months from date of manufacture (in dry condition and room temperature) in unopened packs.

Fire

Supercoat PU6000 is nonflammable .

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