

# SuperCoat PU100

Highly elastic Polyurethane liquid membrane for waterproofing and protection

---

## Product Description

SuperCoat PU100 is single component high quality polyurethane based waterproof coating material and it is ready to use. Cures by reaction with ground and air moisture.

SuperCoat PU100 can be applied on dry concrete, fibrous cement, mosaic cement roof tiles, ceramic, wood, corroded metal, and galvanized steel.

## Areas of Application

- Roof tops, balconies and terraces.
- Light roofing made of metal or fibrous cement.
- Waterproofing of wet areas under tile in bathrooms and balconies.
- Precast concrete elements.
- Gypsum and Cement boards.
- Asphalt membranes, wood and sheet iron.
- Waterproofing of external side of buildings.



## Advantages

- Single component ready for use.
- Very easy and economical to use.
- Resistance to water and UV. The white colour reflects much of the solar energy reducing the internal temperature of the building (used as a thermal insulation coat).
- Create crack bridges.
- Excellent thermal resistance. The service temperature is between  $-30^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$ .
- Cold resistance: the film remains elastic up to  $-30^{\circ}\text{C}$ .
- Available in range of colors.
- Excellent mechanical properties, high tensile and tear strength, highly abrasion resistance with resistance to pedestrian and light vehicle traffic.
- Perfect adhesion.
- Good resistance against acidic and alkali solutions, detergents, sea water and oils.



### 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.

# SuperCoat PU100

Highly elastic Polyurethane liquid membrane for waterproofing and protection

## Standards

SuperCoat PU100 complies with ASTM C836.

## Technical Data

Property	
Color	Various
Density	1.4 gr/ cm <sup>3</sup>
Stand on	+23°C 16/24 hours
Service temperature	-30°C to +90°C
Surface temperature	+5°C to +40°C
Hardness shore ASTM D2240, DIN 53505, ISO R868	65 (7 days)
Tensile strength at break ASTM D412, DIN 53504	> 6 MPa @ 25°C
Elongation ASTM D412, DIN53504	>600% @23°C
Crack bridging ASTM C1305	Pass
Solid matter ratio	Approx. %90

## Method of Use

### Surface Preparation

- Careful surface preparation is essential for optimum finish and durability, so application surface need to be dry, clean and hard.
- Cement laitance, loose particles, mould release agent or curing membrane must be removed.
- Fill surface irregularities, cracks or holes with a suitable Ridge product.

### Apply an undercoat (Priming)

Before application, the surface should be primed by :

- For concrete substrate SuperCoat PU100 Primer should be used.
- For non-absorbent surfaces like steel, aluminum, PVC and for slightly damp or humid substrates, SuperCoat PU200 Primer should be used.

#### 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.

# SuperCoat PU100

Highly elastic Polyurethane liquid membrane for waterproofing and protection

---

## Application

- After 24 hours of duration time at room conditions, it should be mixed with a low circuit mixer and suitable tool to mix, until the mixture be homogenous.
- There is no need to any other components. It is ready to use in its package.
- Apply with roller or brush.
- Layer should protect from water, rain, external effects, and mechanic compulsion.
- Duration time will decrease in hot weather.
- Duration time will increase in cold weather.

## Consumtion

- First coat : 0.6 - 0.8Kg/m<sup>2</sup>.
- Second coat : 0.6 - 0.8Kg/m<sup>2</sup>.
- Total consumption : 1.2 – 1.6Kg/m<sup>2</sup>.

## Storage

Pails should be stored in a dry and cool rooms for up to 24 months. Protect the material against moisture and direct sunlight. Storage temperature +15 °C to +30 °C. Production date is on label.

## Caution

Do not apply in closed areas because of solvent scent. The surface teperature should be +5 °C. It is flammable, so do not come closer with a flame. Do not smoke wile application. Application should be done at open areas or air contioned places. Use eye shield, glove and protector clothes. If it is touches with skin wash with water and soap. Do not use the empty packages for the storage of nurument.

---

### 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.