
Transparent aliphatic polyurethane water-based varnish

SERITAL PT W is a varnish based on aliphatic polyurethane resins suitable for protection of interior and exterior surfaces, with great resistance to UV radiation and to pollutants. In roof waterproofing coatings it remarkably increases the reflectivity and in microcement coating it offers protection without changing the color.

Field of application

SERITAL PT W is suitable for application on surfaces as:

- Roof waterproofing coating
- Microcement coating
- Colored plaster
- Epoxy substrates
- All building materials (plaster, concrete, brick, stone, wood, tile, plasterboard, etc.)

Advantages

- High durability.
- Resistant to UV radiation.
- Increases remarkably the reflectivity of roof waterproofing coatings.
- High strength.
- Does not hold dust.
- Waterproof.
- Resistant to pollutants.
- Eco-friendly.

Method of use

Substrate condition:

The application surface must be dry, stable, sound and free of any materials that prevent the proper adherence of the product, as dust, etc.

Application

Apply with roller, brush or airless in 2 layers.

Roof waterproofing coating: SERITAL PT W is applied 24 hours after application of roof waterproofing coating, if the surface has been dried.

Microcement coating: SERITAL PT W is applied after at least 4 days of application of microcement coating, in order to be no top coat humidity. For best result, it is proposed to prime microcement coating with DOMOREFLECT PRIMER. The application of SERITAL PT W must be done 24 hours after priming.

Consumption

40-50 g/m² per layer depending on the nature of the substrate.

Storage

Can be stored for at least 12 months from production date in the original pail, in a cool environment protected from frost and direct sunlight.

Packaging

In pails of 1 kg, 5 kg & 20 kg.

Certificates

The product is certified according to EN 13813 (Coating Materials), as Synthetic Resin-B2.0-RWA100-IR10.

Volatile Organic Compounds

EU REGULATION 2004/42: According to Directive 2004/42/EU (Annex II, Table A), the maximum allowed content of VOC (Product Category i / Type WB) is 140 g/L (limits of 2010) for the final product. The final SERITAL PT W contains max <140 g/L.

Specifications

Specific weight	1.04 ± 0.03 kg/L
pH	7-7.5
DOMOREFLECT 102 with SERITAL PT W Solar Reflectance Index – SRI (ASTM E1980)*	109
DOMOREFLECT 102 without SERITAL PT W Solar Reflectance Index – SRI (ASTM E1980)*	102
Application temperature	+10°C to +30°C
Adhesive strength (prEN 13892-8)	2.72 N/mm ² (B2.0)
Resistance to abrasion by rolling wheel (prEN 13892-5)	52 cm ³ (RWA100)
Impact resistance (EN ISO 6272)	No cracking for a load of 10 N from a height of 1 m (IR10)

Application & hardening times

Time between layers (SERITAL PT W on SERITAL PT W)

Substrate Temperature	+10°C	+20°C	+30°C
Minimum	36 hours	18 hours	12 hours
Maximum	48 hours	24 hours	18hours

Applied product ready to be used

Temperature	+10°C	+20°C	+30°C
Walkability	48 hours	24 hours	18 hours
Light Load	7 days	4 days	3 days
Full Hardening	14 days	10 days	7 days

All the technical data stated in the present Technical Data Sheet are based on laboratory tests and the knowledge and experience of the company. Different conditions may apply at field applications that are beyond the control of the company. Therefore, the end user is ultimately responsible to make sure that the product is suitable for the application in question and to know the real conditions of the project.