
Two component solvent free epoxy coating

SERITAL 41 is a two-component, solvent free, epoxy coating. A Swiss technology product which is used as a protective coat on cement based supports, stone, plaster, ceramic, asphalt, metal, glass, etc., for horizontal as well as vertical surfaces.

Field of application

SERITAL 41 is suitable for application in:

- Industrial floors
- Tunnels, Cut & Covers, underground works
- Storage rooms
- Parking
- Food processing industries
- Garages
- Hospitals
- Laboratories
- All kinds of metal surfaces (under certain conditions)

Advantages

- High bonding strength.
- Excellent abrasion resistance.
- Easy cleaning with pressured water >6 atm.
- Excellent coverage.
- Totally waterproof flooring.
- Quick application.
- Resistant to chemicals.
- Non toxic.

Method of use

Substrate condition:

The application surface must be dry (substrate humidity <4%), stable, sound and free of any materials that prevent the proper adherence of the product, as dust, loose pierces, grease, etc. Any existing cracks and holes must be repaired before the application of the product.

Prepare the surface by sanding, sandblasting or shot blasting depending on the nature of the substrate, in order to achieve better adherence. Then clean the surface thoroughly from the dust with a high power vacuum cleaner.

Prior to product application, primer the substrate with DOMOPOX FLOOR PRIMER or DOMOPOX FLOOR PRIMER 50, applied by roller.

Mixing:

Mixing ratio:

A (paste):B (liquid) 4:1 w/w

The components A and B are packed in vessels in a default mixing ratio.

Component B is added to component A.

The two components are mixed with an electric agitator of low power (300 rpm). The mixing time should be at least 5 minutes until the mix is completely homogeneous. The final mix must be consumed within 25 minutes (at 20°C)

Application:

The well-mixed SERITAL 41 is applied on the well-prepared support by roller, brush or airless spraying machine (beck 21-25).

SERITAL 41 is applied in two layers. The second layer should be applied crosswise once the first layer is completely dry.

Additional information:

- The product is sensitive to humidity and should not be applied in moist conditions (>60%). Therefore, avoid application during the morning hours (especially in winter).
- Uncured product is cleaned with solvent. After curing it can only be removed mechanically.
- After the end of the operations, the used tools must be washed thoroughly with the special cleaner DOMOPOX CLEANER.

Consumption

150-200 g/m² per layer on smooth substrates.

Certificates

The product is certified according to EN 13813 (Coating Materials), as Synthetic Resin-B1.5-RWA20-IR2.5.

Storage

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

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 j / Type SB) is 500 g/L (limits of 2010) for the final product. The final product SERITAL 41 contains max <500 g/L.

Packaging

Component A (paste): pails of 8 kg.
Component B (liquid): pails of 2 kg.

Colors

White, blue, beige (RAL 1015), light grey (RAL 7035) and dark grey (RAL 7042). Other colors available on request.

Specifications		
	Component A	Component B
Form	Paste	Liquid
Colors	White, Blue, Beige (RAL 1015), Light grey (RAL 7035) Dark grey (RAL 7042)	
Specific weight	1.58 ± 0.05 kg/L (23°C)	1.12 ± 0.03 kg/L (23°C)
Viscosity	8000-9000 cP (23°C)	500-700 cP (23°C)
Mix ratio	A : B 4 : 1 w/w	
Specific weight of mix	1.45 ± 0.04 kg/L (23°C)	
Application temperature	+10°C to +30°C	
Adhesive strength (prEN 13892-8)	1.54 N/mm ² (B1.5)	
Resistance to abrasion by rolling wheel (prEN 13892-5)	19.8 cm ³ (RWA20)	
Impact resistance (EN ISO 6272)	No cracking with a load of 10 N from a height of 0.25 m (IR2.5)	
Surface hardness (prEN 13892-6)	74.7 N/mm ² (SH70)	

Application & hardening times

Pot Life

Temperature	+10°C	+20°C	+30°C
Time	40 minutes	25 minutes	15 minutes

Time between layers (SERITAL 41 on DOMOPOX FLOOR PRIMER/PRIMER 50)

Substrate Temperature	+10°C	+20°C	+30°C
Minimum	24 hours	15 hours	10 hours
Maximum	48 hours	48 hours	36 hours

Time between layers (SERITAL 41 on SERITAL 41)

Substrate Temperature	+10°C	+20°C	+30°C
Minimum	24 hours	15 hours	8 hours
Maximum	48 hours	36 hours	24 hours

Applied product ready to be used

Temperature	+10°C	+20°C	+30°C
Walkability	36 hours	24 hours	12 hours
Light Load	6 days	4 days	2 days
Full Hardening	14 days	10 days	10 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.