ROPOXY FLOORING SF 755

DESCRIPTION

Solvent free pigmented, two component self-leveling epoxide topping.

FIELDS OF APPLICATION:

Abrasion and chemically resistant topping for cement bound, wood, iron and steel surfaces of benches in laboratories, slaughter houses, dairies, chemical plants etc.

Properties:

Ropoxy flooring SF 755 is a seamless topping for benches, excellent mechanical and chemical properties show up best where hard demands are made on its wear ability and durability.

Product characteristics

Ropoxy flooring SF 755 when properly hardened is very hard and has a high resistance to abrasion. It is waterproof, waste and sea waterproof and shows resistance to alkalis, diluted acids, saline solutions, mineral oils and aliphatic hydrocarbons. Ropoxy flooring SF 755 is particular free of yellowing.

Ropoxy flooring SF 755 is unaffected by constant temperatures and temperatures changes in range from - 30°C to 90°C dry heat and up to 80°C wet heat for short periods the product can withstand temperatures 20-40 % higher Ropoxy flooring SF 755 can be by steam jet.

TECHNICAL DATA :

Color & gloss	As the customer request.
Finish	gloss
Flash point (DIN 53213)	Base 50 ºC hardener 30 ºC.
Mass density	Approx. 1.23 gm. / cm3(mixture)

Solid content	Approx. 100 % by volume & by weight.
Theoretical spreading rate	3 m2/Kg for 200 µ D.F.T.
Recommended Dry film thickness	200 µ (per one coat)
Shelf life(cool and dry place)	At least 12 months in original containers.
Recommended substrate conditions	• If the over coating interval has been exceeded , the previous coat should be roughened up . • Substrate temperature should be at least 3ºC above dew point . • Maximum relative humidity during application and curing is 80%

Instruction for use

mixing ratio: by weight : base to hardener 2 : 1

the temperature of the mixed base and hardener should be above 15 ºC otherwise extra solvent may be required to obtain application viscosity.

Too much solvent results in lower sag resistance and slower cure

- Thinner should be only added after proper mixing of the base and hardener

Recommended thinner : Roots thinner No. RO10455 (flash point 26 °C)

Mixing : 10 min. prior to use

Induction time : 10 minutes.

Impact hardness, Koning : 140 - 160

Abrasion DIN 52108 : 4 (cm^3/ $50cm^2$)

Re-workable at 20°C(hours): 8 – 24

Pencil hardness : 2 H

Ericksen indentation(mm) : 1

Bending property (N/mm^2) : approx. 30

Chemical Resistance :

Citric acid 10%	U	U	U	U
Sodium hydroxide 20%	U	U	U	U
Ammonium hydroxide 27%	Failed in one week			
Ammonium vapor	U	U	U	U
Phosphoric acid 85%	Failed in one week			
HCL 10%	U	U	U	U
HCL 20%	U	U	U	U
HCL 36%	U	U	U	U
HCL vapor	U	U	U	U
Sulfuric acid 25%	U	U	U	failed
Sulfuric acid 50%	U	U	U	failed
Sulfuric acid 70%	U	discolored	discolored	discolored
Sulfuric acid 80%	Failed in one week			
Sulfuric acid 90%	Failed in one week			
Nitric acid 10%	U	U	U	failed
Nitric acid 20%	U	U	failed	
Nitric acid 30%	U	failed		
Sodium hypo chlorite 5%	U	U	U	failed
water	U	U	U	U

KEY: U : unaffected & **SS** : slightly & **S** : softened

Surface preparation:

- The concrete substrate must be sound and of sufficient compressive strength (minimum 25 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.

- 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 blow holes and voids must be fully exposed.
- Repairs to the substrate, filling of blowholes/voids and surface leveling must be carried out using appropriate products from the Ropoxy putty 600.
- Iron and steel must be free of rust and scale and should be free from oil, dust, grease and other dirt particles.
- Sand blasting to Sa 2.5 minimum.

Application:

prime with Ropoxy sealer 656 to which 10% thinner 10455 (Roots thinner). After applying the primer, apply one coat of Ropoxy flooring SF 755 at wet film thickness about 200 μ without using the thinner.

packing Base :Drum 10 Kg - Hardener 1 gallon 5 Kg.

Cleaning solvent : Roots thinner No. RO10455 (flash point 26 °C)

: Roots thinner No. RO1003 (flash point 26 °C)

Pot life (at application viscosity)

20 ºC.	1.5 hours	the figures are valid
30 ºC	1 hours	for quantities of
40 ºC.	0.5 hours	5 liters approx.

Drying time:

Substrate temperature	10°C	25°C	40°C
Surface dry	8 h	5 h	3 h
Through dry	24 h	14 h	6 h
Cured	14 d	7 d	2 d
Dry to recoat, minimum	28 h	14 h	6 h

Storage

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Handling

Handle with care. Stir well before use and during application.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

DISCLAIMER

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.