ROPOXY FLOORING SF VARNISH 616

Description

This is a two component amine cured solvent free epoxy coating. It is a high performance product. It is easy to apply. This product is tint able in a wide range of colors. It has excellent chemical, abrasion and impact resistance. If enhanced slip resistance is required can be used in the system. To be used as topcoat in atmospheric environments. Suitable on approved primers on concrete substrates.

PROPERTIES

Designed for a wide range of floors with various levels of mechanical and chemical exposure. Specially designed for floors where a dust free, hard wearing and esthetically pleasing coating is required. Specially designed for industrial floors, laboratories, hospitals, food and beverage plants, kitchens, high tech manufacturing facilities, dairies, warehouses, factories and hangars.

Technical data

Color & gloss	varnish.
Finish	gloss
Flash point (DIN 53213)	Base 50 ºC hardener 30 ºC.
Mass density	Approx. 1.09 gm / cm3
Solid content	Approx. 98±2 % by volume.
Theoretical spreading rate	3.5 m2/ltr for 250 microns D.F.T.
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 85%

Instruction for use

mixing ratio by weight : base to hardener 1 : 1

the temperature of the mixed base and hardener should be above 15 ºC other wise 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.

Pot life at 20 ºC : 1 hour

Shelf life : 24 months (in original containers at a normal conditions)

Recommended thinner : Roots thinner no. Ro10455 (flash point 26 ºC)

Impact hardness, Koning : 140 - 160

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

Surface preparation : To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination.

Cleaning solvent : Roots thinner no. 10455 (flash point 30 ºC)

: Roots thinner no. 1003 (flash point 26 ºC)

Drying and Curing time:

Substrate temperature	25°C	40°C
Surface (touch) dry	12 h	4hr
Walk-on-dry	24hr	8hr
Dry to over coat, minimum	24hr	8hr
Dry to over coat, maximum, atmospheric	3 d	36hr
Dried/cured for service	7 d	3 d

Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Walk-on-dry: Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints or other physical damage.

Dry to over coat, minimum: The recommended shortest time before the next coat can be applied.

Dry to over coat, maximum, atmospheric: The longest time allowed before the next coat can be applied.

Dried/cured for service: Minimum time before the coating can be rmanently exposed to the intended environment/medium.

Pot life (at application viscosity)

20 ºC.	1.0 hour	the figures are valid
30 ºC	0.5 hour	for quantities of
40 ºC.	20 min	5 liters approx.

Application methods:

The product can be applied by

Spray: Use airless spray.

Brush: Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.

Roller: Use small fiber pile 2 roller.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray 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.