ROLAMIN CLEAR SL 666
EPOXY RESIN LAMINATES FOR TANK REPAIR

Description

The system designed for tank repair comprises of KI with curing agent KII which has medium viscosity this enables the binder to be applied without difficulty over large areas and ensures good wetting of the glass reinforcement there are two types of fiber glass for the tank repair laminate and also it is a coating material for cement bond surfaces such as concrete, plaster, asbestos cement, and also for iron and steel.

PROPERTIES

When properly hardener ROLAMIN CLEAR SL is very hard, has a good resistance to abrasion with good elasticity. It is significant having excellent resistance against organic and inorganic acids, alkalis, mineral oils, many solvent and petroleum oils.

ROLAMIN CLEAR SL is resistant to constant temperature and temperature variations from (- 30°C) to (100°C) dry heat and up to (+60 °C) wet heat.

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. 100 % by volume.
Theoretical spreading rate	1.5 m2/ltr for 600 microns D.F.T.
Recommended Dry film thickness	600 ums (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 85%

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 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 C : 1 hour

Recommended thinner : Roots thinner no. Ro10455 (flash point 30 ºC)

Impact hardness, Koning : 140 - 160

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

Surface preparation : 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 to which 10% thinner 10455 (Roots thinner)

After applying the primer, apply one coat of ROLAMIN CLEAR SL at wet film thickness about 600 microns without using the thinner. Time interval between two coats, one day. After one day interval, apply one coat of

Ropoxy sealer 656, then apply the fiber glass while Ropoxy sealer 656 is still wet and prime one coat of (ROLAMIN clear SL) at same film thickness. After one day interval, apply the same steps no. 2,3,4 using Ropoxy sealer 656, fiber glass and ROLAMIN CLEAR SL. Drum 15 Ltr.

packing

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

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

Pot life (at application viscosity)

20 ºC.	1.5 hours	the figures are valid
30 ºC	1.0 hours	for quantities of
40 ºC.	0.5 hours	5 liters approx.

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.

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.