ROPOXY FLOORING SL 645

DISCRIPTIONS:

It is a three-pack, abrasion-resistant, high solids epoxy-based coating formulated to be applied in high film thickness for durability, wear resistant and anti-slip properties under dry, wet and oily conditions. The third component consists of selected particle sized blends of abrasion-resistant, fused, aluminum oxides. The product is sold as kits and two kits are available, one with standard (Std) curing agent, and one with cold climate (CC)/winter grade (WG) curing agent.

Recommended use

For severe dry, wet and oily conditions requiring durability, wear resistance, anti-slip properties, such as flight decks, military applications, extreme environments. Approved to U.K. Defense Standard 80-134 for the Royal Navy. One-coat, high build application over surface tolerant anti-corrosive primer.

TECHNICAL DATA:

Color	Limited
Finish	Semi-gloss
Solid by volume	99%
Flash points	Base 50 ºC & hardener 35 ºC
Gloss retention	Fair
Water resistance	Very good
Abrasion resistance	Excellent
Solvent resistance	Good
Chemical resistance	Very good
Flexibility	Good
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 to filler **9:2:11**

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.

above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is required in confined areas to ensure proper drying. The coating should

* not be exposed to oil, chemicals or mechanical stress until cured.

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

Theoretical spreading rate	0.3 m2/ltr for 1 CM D.F.T.
Recommended Dry film thickness	1 Cm (per one coat)
Pot life at 20 ºC	1 hour
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/mm²)	approx. 30
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 656 to which 10% thinner 10455 (Roots thinner). After applying the primer, apply one coat of Ropoxy flooring SL 655 at wet film thickness about 1 Cm without using the thinner.

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.