



THICK LAYER EPOXY UNDERCOAT TWO COMPONENT

SC20

Thick layer dual component epoxy undercoat, for sealing hulls.

CHARACTERISTICS

This dual component epoxy undercoat, to be applied in thick layers, is recommended for impermeable protection in a marine environment. It is used as an undercoat for immersion on aluminium, steel or polyester (it is necessary to apply 400 microns of the product), or as an undercoat on the upper work of the hull before lacquering.

PHYSICAL CHARACTERISTICS

Hardening mechanism: Chemical reaction between compounds A and B and evaporation of the solvent.
Density: 1.31 kg/l +/- 0.05
Flash point: 23°C <= PE <= 55°C
Dry extract (volume): 54 %
Thickness of the dry film per layer: 100 microns
Recommended total thickness: 300 microns
Practical coverage per layer: 5 m²/l
Finish: Mat cream

PREPARATION OF THE SURFACE

On new steel or polyester hulls: After the surface preparation specific to each material, apply one layer of **PR20**. Leave to dry 24 hours

On old two-components epoxy cycle or on damaged gel-coat : Sand thoroughly then dust well

PREPARATION OF THE PAINT

Mix well the product before mixing the two compounds. For a greater accuracy mixing by weight is recommended.

Mixing ratio by volume

Compound A: 75

Compound B: 25

Thinner for SC20: 0 to 5

Mixing ratio by weight

Compound A: 100

Compound B: 20

Thinner for SC20: 0 to 5

Only add the thinner after having mixed the compounds A and B

Thinner for spray gun, roller and brush: **Thinner for SC20** (ex D200)

Time needed for the mixture to mature: 10-15 minutes

Mixture's pot life at 20°C: 6 hours

APPLICATION

On aluminium hulls: Apply three or four 100-microns layers of epoxy undercoat **SC20** leaving 24 hours between each layer in order to obtain a final total thickness of 300 microns. Leave to dry for 16 hours before applying the antifouling. Beyond these times it will be necessary to sand the surface before putting on another layer.

On areas above the waterline: Apply a 100-microns layer on a clean or primed surface with grease removed.

CHARACTERISTICS FOR USE

Application material: Brush, roller and spray gun

For brush and roller: 5-10% dilution with the **thinner for SC20** (ex D200).

For spray gun: A maximum of 5 -10 % dilution with the **thinner for SC20** (ex D200)

..... Nozzle diameter 2-2.5; air pressure 3-4 atm.

Temperature range for use: +14 to +35°C

Relative Humidity < 80%

Reminder: The temperature of the surface must be at least 3°C above the dew point in order to avoid the formation of condensation.

Drying for 100-micron layer at 20°C:

Away from dust: 1 to 2 hours

Dry to touch: 3 to 4 hours

Sanding: 24 hours

Overcoating: 16 hours, beyond 48 hours it is necessary to sand.

Full polymerisation: 10 days at ambient temperature

CHARACTERISTICS OF THE POLYMERISED UNDERCOAT

Water-resistance: Excellent

Abrasion-resistance: Excellent

PACKING AND STORAGE

Packaging : 750 cc, 2.5 and 16 litres

Storage : 12 months for compound A - 6 months for the hardener in the original container.

PRECAUTIONS FOR USE

Keep out of reach of children. Use protective gloves, solvent protective masks and clothes.

Work in a ventilated area; an accumulation of solvents can catch fire if exposed to a naked flame or a spark.

HEALTH AND SAFETY

See data sheet

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