

RELEST[®] Protect 466 AK-Topcoat

Art.-Nr. I466-color

Properties:

Type of binder	Alkyd resin
Mixing ratio	not applicable
Hardener	not applicable
Viscosity	slightly thixotropic
Colour shades	on request
Density (ISO 2811-1)	approx. 1.05 g/cm ³ depending on colour shade
Solid content	Weight: approx. 53% depending on colour shade Volume: approx. 43% depending on colour shade
Workable life	not applicable
Gloss level	high gloss
VOC content	approx. 470 g/l depending on colour shade
Spreading rate (theoretical)	At a recommended dry film thickness of 40 µm on even surfaces theoretical: approx.: approx. 100 g/m ² corresponds to: approx. 10 m ² /kg Non-binding reference value since surfaces and their consumption rates vary. Carry out a test application according to DIN 53220 to assess the exact spreading rate.

The technical data refer to +20°C and 65% relative air humidity.

Characteristics and resistance:

High gloss, fast drying, weather-resistant and hard-wearing synthetic resin coating. Single-comp., high quality topcoat with protective and decorative properties for the coating of vehicles, steel constructions, machines, devices and hulls above the waterline.

The coating is flame resistant according to IMO Res. MSC.61 (67) (FTP Code), Annex 1, part 5. The surface material with low flame-spread characteristics does not apply to pipes, pipe coverings or cables.

Surface preparation: General:

The surface preparation is decisive for the durability of all coating systems. Remove non-solid old coatings in poor condition. Clean, sand down all solid old coatings in good condition and remove dust.

RELEST® Protect 466 AK-Topcoat

Art.-Nr. I466-color

Application:

(The data are exemplary data only..)

Application conditions	+5°C min. to 30°C max. for air and object temperature. Observe dew point.		
Overcoating times at 40 µm DFT	Climate	minimum	maximum
	+5°C	approx. 36 h	not applicable
	+10°C	approx. 24 h	not applicable
	+20°C	approx. 16 h	not applicable
	+30°C	approx. 8 h	not applicable

Application method:

(The data are approx. data, the viscosity depends on the respective temperature.)

Spraying	Flow cup gun	Airless	Airmix	Roller application
Spray pressure [bar]: Atomised air [bar]: Nozzle size [mm]: RELEST® Thinner AK 115 [%]: Art. No I101-0115	4 – 5 - 1.2 - 2.5 adjust with up to 15%	100 - 150 - 0.23 - 0.33 undiluted, if necessary, adjust with up to 10%	80 - 100 2 - 4 0.23 - 0.33 undiluted, if necessary, adjust with up to 10%	thix. undiluted, if necessary, adjust with up to 5%

Spray application: Provide for dry spraying air by means of an efficient water separator.

Drying process:

Drying times at 40 µm DFT	dust dry	touch dry	stress resistant
+20°C / 65% rel. humidity	approx. 2 h	approx. 6 - 8 h	> 5 d

Higher temperatures and higher air movement or exchange may accelerate the drying process, lower temperatures or higher film thicknesses slow down the drying process.

RELEST® Protect 466 AK-Topcoat

Art.-Nr. I466-color

Standard coating systems:

	Steel	Zinc/ aluminium:
Priming coat:	1 x 80 µm RELEST® Protect 266 1K-AK Primer	1 x 60 µm RELEST® Protect 277 1K-AK Primer
Topcoat:	1 x 40 µm RELEST® Protect 466 1K-AK-Topcoat	1 x 40 µm RELEST® Protect 466 1K-AK-Topcoat

Storage/Transport conditions:

Store the material in firmly closed original containers. Please observe the information on the container label. Seal open containers airtight and use up soon.

Protect from frost, heat and humidity. The material may thicken slightly after use.

Safety measures:

The information and safety advice on the containers as well as the respective accident prevention regulations of the responsible trade associations are to be observed at all times when working with this product. For further information, please see the Safety Data Sheets.