

RELEST[®] Protect 266 1K-AK-Primer

Art.-Nr. I266-color

Properties:

Type of binder	Alkyd resin
Viscosity	thixotropic
Colour shades	see current sales range
Density (ISO 2811-1)	approx. 1.35 g/cm ³ depending on colour shade
Solid content	Volume: approx. 47% depending on colour shade Weight: approx. 68% depending on colour shade
Gloss level	matt
VOC content	approx. 430 g/l depending on colour shade
Spreading rate (theoretical)	At a recommended dry film thickness of 80 µm on even surfaces theoretical: approx.: 230 g/m ² corresponds to approx.: 4 - 5 m ² /kg <small>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.</small>

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

Characteristics and resistance:

RELEST[®] Protect 266 1K-AK-Primer is a fast drying, active anticorrosive primer for use in mechanical engineering, steel construction and shipbuilding. The material is heat resistant up to +80°C in dry heat. 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.

Substrate preparation:

General:

The surface preparation is decisive for the durability of all coating systems. Surfaces must be clean, dry, solid and free of mill scale, rust and other foreign matter. Best results are obtained by blasting according to DIN ISO 12944-4. Remove all non-solid old coatings in poor condition. Clean, sand down all solid old coatings in good condition and remove dust.

Application:

Application conditions	+5°C min. up to +35°C max. air and object temperature. Observe dew point.
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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 bar - 1.8 - 2.5 mm adjust with up to 15%	150 - 180 0.28 - 0.33 undiluted, if necessary, adjust with up to 10%	80 - 100 - 0.28 - 0.33 undiluted, if necessary, adjust with up to 10%	Thixotropic, undiluted, if necessary, adjust with up to 5%

Drying times:

Drying times at 80 µm DFT	Tack-free	Touch dry	Overcoatable	Stress resistant
+20°C / 65% rel. humidity	approx. 1 h	approx. 3 h	approx. 6 h	approx. 7 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.

Standard coating systems:

The coating system depends on the nature of the surface and the stress level it will be exposed to.

	Steel
Basecoat:	1 x 80 µm RELEST® Protect 266 1K-AK Primer
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.

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.