

PULAK 1166

moisture-cured polyurethane clear coat
(TU 2311-035-12288779-2002)



PRODUCT DESCRIPTION:

PULAK 1166 is a one-component, moisture-cured polyurethane clear coating

RECOMMENDED USE:

As an anticorrosive protection of structural steel and concrete in industrial atmosphere. PULAK 1166 has good resistance to sea and fresh water; salt solutions, acid and alkali solutions; petrol and related products. It is recommended to apply as a chemical resistant coating in coating systems with ZINOTAN® (TU 2312-017-12288779-2003), ZINEP® (TU 2312-022-12288779-2000), POLYTON-UR (TU 2312-029-12288779-2002), IZOLEP и IZOLEP-mio (TU 2312-050-12288779-2005), FERROTAN (TU 2312-036-12288779-2003), and other coatings based on epoxy, polyurethane, epoxy and ethylsilicate.

CERTIFICATES/APPROVALS:

The sanitary-and-epidemiologic certificate № 66.01.40.231.П.002444.07.07/30 July, 2007

TECHNICAL DATA:

	Coating
Colors/Finish	Clear with yellow shade/Gloss
Dry film thickness per coat (typical)	20 - 40 micron
Adhesion, GOST 15140-78	1 grade, not more
Impact resistance, GOST 47-65-73	50 sm, not less
Bend test (cylindrical mandrel), GOST R 52740-2007	2 mm, not less
	Paint
Color value, GOST 19266-79	40 - 80 mgr I ₂ /100 ml
Specific gravity	0.90 – 1.10 r/ml
Relative viscosity according to viscosimeter B3-246 with the nozzle diameter 4 mm under the temperature (20±2) °	20-45 s
Non-volatile-matter content (Wt)	63.0 – 66.0 %
Calculated coverage	30 - 70 g/m ² (20 - 40 micron)
Drying time up to degree No 3 GOST 19007-73 ("touch-dry") at (23±2) °C and (65±5) % RH	10 h , not more

SURFACE PREPARATION:

The primer surface should be dry and free from all contamination.

APPLICATION:

- Stir the curing agent and base thoroughly;
- Add recommended thinner to achieve workable consistency if it is necessary;
- Apply in 1 coat.

PULAK 1166 is recommended to be applied for shop and field painting at the temperature from -15 °C to +40°C and from 30 to 98% RH (from 40% to 98% is the best). When air humidity increases, drying time of the coating decreases.

Minimum recoating interval of primers by PUKAK 1166 at (23±2) °C and (65±5) % RH for:

- ZINOTAN® is 4 h, not less;
- ZINEP®, IZOLEP, and IZOLEP-mio, FERROTAN, POLYTON-UR is 24 h, not less.

When relative humidity decreases minimum recoating interval increases.

PULAK 1166 is sensitive to moisture. Keep the can tightly closed until use; avoid long contact with air.

The time of full cure before immersion at (20±2) °C is 7 days, not less.

Airless spray

Recommended Thinner not recommended
Nozzle size 0.011" – 0.017" (0.28 – 0.43 mm)
Nozzle pressure 10 - 15 MPa (100 - 150 bar)

Air spray

Recommended Thinner SOLV-UR (TR 2319-032-12288779-2002), mixture of butylacetate and whit-spirit (1:1 by weight) up to 5% by weight
Nozzle size 1.8 – 2.2 mm
Nozzle pressure 0.2 – 0.4 MPa (2 - 4 bar)

Brush / Roller

Recommended Thinner SOLV-UR (TY 2319-032-12288779-2002), mixture of butylacetate and whit-spirit (1:1 by weight) up to 5% by weight
Equipment cleaner SOLV-UR, P-4, Solvesso 100.

STORAGE AND HANDLING:

PULAK is packaged in cans by 20kg, 10 kg and 1.01 kg and supplied by the quality certificate.

Store in dry, shaded conditions away from sources of heat, moisture and ignition, at the temperature from 0 °C to +40°C separately from aids, amines and amine derivatives.

Guaranteed shelf life in the manufacturer's package units is 12 months from the date of packaging.

SAFETY PRECAUTIONS:

PULAK has the fourth class of hazard, GOST 12.1.007-76. It is necessary to follow all local or national safety regulations.



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