

**RUST-OLEUM**<sup>®</sup>  
— INDUSTRIAL —



## 4900 MULTI-SURFACE PU HEAVY-DUTY VARNISH

# Clear, water-based, 2 pack polyurethane topcoat



- Available in matt or gloss
- Very abrasion resistant
- Does not yellow; ideal for interior and exterior
- Resists boiling water, alcohol, coffee, red wine and dilute acid and alkalis
- Anti-graffiti; easy to clean with GraffitiShield™ Cleaner

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# 4900 MULTI-SURFACE PU HEAVY-DUTY VARNISH

## DESCRIPTION

Clear, water-based, 2-component polyurethane topcoat for use on wood (inside), concrete and pre-painted surfaces, also serves as an anti-graffiti coating.

## DOPORUČENÉ POUŽITÍ

1. Clear varnish for parquet to protect against stains and scratches
2. Clear sealer for concrete to decrease dusting and increase cleanability
3. As an anti-graffiti coating
4. As a topcoat on previously painted surfaces to provide extra protection and/or change gloss level

## TECHNICAL DATA

Hustota (g/cm <sup>3</sup> ):	1,06
Úroveň lesku:	Gloss, Matt
Úroveň lesku při 60°:	80% (Gloss)
Úroveň lesku při 85°:	10% (Matt)
Obsah pevných látek v objemu:	40%
Míchací poměr:	Base : Activator = 2,04 : 0,46 (Volume) = 4 : 1 (Weight)

## DRY TIMES BY 20° C/RH 50%

Dotykem suché:	2 hours
Suché na manipulaci:	8 hours
Suchý nátěr:	4 hours
Plně vytvrzené:	3 days
Život v hrci:	3 hours
Indukční čas:	5 minutes

## DOPORUČENÁ TLOUŠŤKA MOKRÉHO FILMU

50 µm

## DOPORUČENÁ TLOUŠŤKA SUCHÉHO FILMU

20 µm

## TEORETICKÁ SPOTŘEBA

20 m<sup>2</sup>/l at 20 µm dry film build for vertical surfaces  
13,5 m<sup>2</sup>/l at 30 µm dry film build for horizontal surfaces

## PRAKTICKÁ SPOTŘEBA

Practical coverage depends on many factors such as porosity and roughness of the substrate and material losses during application. Porous substrates will increase paint consumption.

## PŘÍPRAVA POVRCHU

Ensure surface to be varnished is clean, dry, sound and free from wax, oil or any other contamination. If wax has been used clean the surface thoroughly with white spirit prior to sanding. Bare wood should be sanded to a smooth surface, always working with the grain. Sound previously varnished surfaces should be lightly sanded to provide a key. New concrete must be at least 30 days old prior to varnishing plus 1 week per cm if the concrete is above 4 cm thickness.

The moisture content of the substrate may not exceed 4%.

Concrete must be clean, dry and free from any surface laitance (a weak dusty layer on new concrete) and any other surface contaminants such as oils, grease, dirt etc. prior to applying the varnish. Not suitable for direct use on power floated concrete.

## NÁVOD K POUŽITÍ

Base and activator are supplied in correct proportions. First stir the base component, then add activator gradually to the base, and mix thoroughly. DO NOT MIX PART UNITS. Wait 5 min after mixing. Do not store mixed product (residue) in a closed can. Badly activated or incorrectly mixed materials will affect performance and may cause early failure or discolouration.

When used outdoors on top of pre-painted surfaces: If the old paint is not UV-resistant, the use of Multi-surface PU Heavy-Duty Varnish is not recommended.

## PODMÍNKY POUŽITÍ

Application temperature 10-35°C (at least 3°C above dew point) and RH < 85%.

## APLIKACE A ŘEDĚNÍ: ŠTĚTEC

Apply evenly using light strokes following the grain of the wood. For best results 3 coats are recommended on new wood/concrete (dilute 1st coat with 10% water) and 2 coats on previously varnished surfaces.

## APLIKACE A ŘEDĚNÍ: VÁLEČEK

Use a short nap mohair roller. For best results 3 coats are recommended on new wood (inside)/concrete (dilute 1st coat with 10% water) and 2 coats on previously varnished surfaces.

## APLIKACE A ŘEDĚNÍ: BEZVZDUCHOVÝ SPREJ

Not recommended.

## APLIKACE A ŘEDĚNÍ: VZDUCHOVÝ ATOMIZOVANÝ SPREJ

Not recommended.

## ČIŠTĚNÍ ZAŘÍZENÍ / ROZLITÍ

Clean spills with water. When used as an anti-graffiti coating, use GraffitiShield™ Cleaner to remove graffiti.

## POZNÁMKY

Not suitable for use on plastic type materials, e.g. imitation wood. Do not wash the varnished surface for at least 3 days after application. If water is spilled on it during this period gently wipe off with a soft dry cloth.

Not suitable for use on bare wood in an outdoor situation.

**Taber abrasion:** weight loss CS17 / 1000 cycles: 17 mg

**Resist stains of:** Alcohol (40%), Ammonia, Fatty acids, Coffee, Red Wine, Water, diluted acids & alkalis.

## SAFETY DATA

Úroveň těkavých organických látek:	25 g/l
VOC ready mix:	25 g/l
Kategorie VOC:	A/j
Limitní hodnota VOC:	140 g/l
Poznámky k bezpečnosti:	Consult Safety Data Sheet and Safety Information printed on the can.

last\_updated: 10/03/2025

footer\_data\_colors\_pack\_sizes: footer\_data\_colors\_pack\_sizes.value

footer\_data\_disclaimer: footer\_data\_disclaimer.value

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## DOBA POUŽITELNOSTI

Minimum of 1 year from date of production in unopened cans, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5° and 35°C.

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