

**RUST-OLEUM®**  
INDUSTRIAL



## **4900 MULTI-SURFACE PU HEAVY-DUTY VARNISH**

# **Clear, water-based, 2K 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, concrete and pre-painted surfaces, also serves as an anti-graffiti coating.

## RECOMMENDED USE

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

Density:	1,06
Gloss Level:	Gloss, Matt
Gloss level at 60°:	80% (Gloss)
Gloss level at 85°:	10% (Matt)
Solids content in volume:	40 %
Mixing Ratio:	Base : Activator = 2,04 : 0,46 (Volume) = 4 : 1 (Weight)

## DRYING TIMES AT 20°C/RH 50%

Touch dry:	2 hours
Dry to handle:	8 hours
Dry to recoat:	4 hours
Fully cured:	3 days
Pot Life:	3 hours
Induction Time:	5 minutes

## RECOMMENDED WET FILM THICKNESS

50 µm

## RECOMMENDED DRY FILM THICKNESS

20 µm

## THEORETICAL CONSUMPTION

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

## PRACTICAL CONSUMPTION

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.

## SURFACE PREPARATION

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 6 month old prior to varnishing. 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.

## DIRECTIONS FOR USE

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.

## APPLICATION CONDITIONS

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

## APPLICATION & THINNING: BRUSH

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.

## APPLICATION & THINNING: ROLLER

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

## APPLICATION & THINNING: AIRLESS SPRAY

Not recommended.

## APPLICATION & THINNING: AIR-ATOMISED SPRAY

Not recommended.

## CLEANING OF EQUIPMENT / SPILLS

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

## REMARKS

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.

**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

VOC level:	25 g/l
VOC ready mix:	25 g/l
VOC category:	A/j
VOC limit:	140 g/l
Grenelle:	C
Flashpoint:	Not flammable
Remarks regarding safety:	Consult Safety Data Sheet and Safety Information printed on the can.

## SHELF LIFE

2 years 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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**Available colours & pack sizes :** Please refer to the respective product page on [www.rust-oleum.eu](http://www.rust-oleum.eu) for an overview of actual available colours and pack sizes.

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