



Wood Protection & Treatment

2K PU MARINE VARNISH

Technical Data Sheet

Reviewed: 19.06.2024

DESCRIPTION

2K PU MARINE VARNISH is the ultimate marine grade 2-component aliphatic polyurethane varnish. It is applied to all wood finishes on boats after preparation, such as handrails, doors, windows, tables, etc. It contains special new generation UV filters for superior protection from solar radiation and lasting gloss over time. Its special composition provides a durable finish that ensures excellent resistance to ageing, humidity, and the extreme environmental conditions prevailing at sea. The superior combination of hardness and elasticity guarantees **2K PU MARINE VARNISH** the ideal varnish for marine use.

ADVANTAGES

- Aliphatic system – no yellowing – no peeling
- Creates a seamless transparent protective film
- Extreme High Gloss effect, also available in Satin, Matt
- Fully compatible with oily woods such as Teak and Iroko after proper degreasing and preparation
- Superior abrasion resistance
- Superior resistance to the sun UV rays and sea salt
- Easy application – excellent spreadability
- Maintains brilliance over time
- Unmatched resistance to frequent cleaning with common mild cleaners
- Much greater resistance compared to common alkyd-urethane marine varnishes)

APPLICATIONS

Ideal varnish for all wood finishes on boats, as well as metal, polyester and carbon fiber finishes such as: linings, seats, handrails, floors, steering wheels, handles, etc. Ideal for varnishing wooden surfaces exposed to extreme weather conditions i.e. seaside environments.

INSTRUCTIONS FOR USE

Surface preparation

Careful surface preparation is very important for optimum finish and durability.

1. The substrate should be dry and free from dust, chalk, grease, and any foreign material that may harmfully affect adhesion.
2. Old, loose coatings, dirt, fats, oils, organic substances, and dust need to be removed by mechanical means such as a sanding machine or where possible with high pressure washing machine. Carefully remove dust after sanding.
3. Light sanding of wood surfaces is necessary. Use 120, 240 and finally 320 grade paper. Carefully remove dust. Internal moisture of wood must not exceed 14%.
4. Oily woods (ex. Teak) must be thoroughly degreased with nitro solvent. Then continue with sanding (3).
5. Substrates must be completely dry prior to application and rain must be avoided for 48 hours.

6. Minimum application temperature 10°C. Avoid applying in direct sunlight or excessive wind.

Priming

If no other primer-sealer is applied, prime new wooden surfaces with **2K PU MARINE VARNISH** diluted 20% with solvent DIL X – 100. Apply at least two coats.

Application

1. Mix carefully the 2 components taking care to ensure thorough mixing on the walls and the bottom of the pail.
2. Allow mixture to stand for 5 minutes.
3. Apply the first coat thinned 0 – 10% with a roller, brush, or spray gun.
4. You must avoid applying the varnish in heavily - thick coats, since it will not cure properly.
5. The second coat may be applied when the first is thoroughly dry: 12h (35°C) – 24h (15°C) depending on ambient temperature. (0-10% thinning)
6. It's advised that you sand with #320 grade paper between coats to ensure super smooth surface and best adhesion.
7. For maximum durability, third and fourth coats are required following the steps above.
8. The surface is hard dry in 24 hours and final curing is achieved in 7 days (25°C, 65% RH)

Maintenance of surface: wash with a mild detergent and water, and rinse thoroughly.

CLEANING

Tools must be cleaned immediately after use with DIL X – 100 or nitro solvent

COVERAGE

80 – 120 gr/m²/per layer, application of at least 2 layers if a suitable sealer has been applied or 4 – 6 layers without sealer application.

TECHNICAL CHARACTERISTICS

Base: Marine grade Aliphatic Polyurethane

Color: Transparent

Finish: High Gloss, Satine, Matte

Specific gravity: 1,00±0,05 Kg/Lt 25°C

Thinning: 0 - 20% with DIL X – 100

Touch Dry: 1 - 3 hours depending on room temperature

Recoat: 12 - 24 hours depending on room temperature

Pot Life: 2 – 4 hours

Final curing: 7 – 14 days

Application temperature: +10°C - +35°C

VOC (Volatile organic Compounds) CONTENT: (Directive 2004/42/CE) EU maximum VOC content limit values for this product (category A_j(SB) (two pack reactive performance coatings): 500gr/lit (2010). This product contains maximum 499gr/lit VOCs (ready for use product).

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STORAGE

Store in dry and cool storage conditions at temperatures 5°C - 30°C. Protect from moisture, frost and direct sunlight.

SHELF LIFE

At least 24 months in unopened containers. Products should remain in their original unopened containers, bearing the manufacturers batch number.

PACKAGING

Set A+B Component in total of 1Lt

Available in High Gloss, Satin or Matte finish

| PACKAGING | CODE | BARCODE |
|-----------|------|---------------|
| Gloss 1Lt | 5885 | 5204094058854 |
| Satin 1Lt | 5886 | 5204094058861 |
| Matte 1Lt | 5887 | 5204094058878 |

HEALTH AND SAFETY INFORMATION

Consult recent Safety Data Sheet before application.

COMPONENT A



UFI: RKV0-Q0VE-J00R-57E6

COMPONENT B



UFI: 3GV0-7061-8007-HVU4

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



TECHNICAL SUPPORT

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MONDAY TO FRIDAY 8:00 - 16:00

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