



# Wood Protection & Treatment PREMIUM FLOOR VARNISH Technical Data Sheet

Reviewed: 30.07.2018



## DESCRIPTION

**PREMIUM FLOOR VARNISH** is a clear 2 component acrylic - polyurethane varnish that provides ultimate long lasting protection of exterior and interior wood, cement, stone and metallic floors. It contains UV filters which protect against sunlight. The durable polyurethane based formula provides a long lasting finish with excellent mechanical and chemical resistance as well as resistance to pedestrian traffic, humidity and extreme weather conditions. The excellent combination of hardness and elasticity make it the ideal floor varnish.

## ADVANTAGES

- Forms an elastic, seamless, transparent protective membrane
- Excellent traffic and wear resistance
- Excellent adhesion properties
- Excellent sun and frost resistance
- In case of mechanical damage, the membrane can be easily repaired locally in minutes.

## APPLICATIONS

- Ideal for use on all exterior and interior wood parquet floors
- Waterproofing, sealing and protection of cement floors
- Waterproofing, sealing and protection of natural stone floors (for artificial stones a compatibility test is recommended)
- Ideal finish – varnish for metallic floors and surfaces
- Protection and waterproofing of most building surfaces

## 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. Possible dust after sanding must be removed.
3. Light sanding of wood parquet is necessary. Carefully remove dust. Internal moisture of wood must not exceed 12%-14%.
4. New concrete floors need to dry for at least 28 days. Moisture must not exceed 5% and ambient humidity not over 70%.
5. All substrates must be completely dry prior to application and rain must be avoided for 48 hours.
6. Minimum application temperature 10°C.

## Priming

Unsound surfaces can be primed with same material diluted 2 - 3 % with solvent DIL X - 100 for substrate strengthening.

## 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 10-15 minutes.
3. Apply the first coat with a roller, brush or spray gun.
4. You must avoid to apply the varnish in heavily – thick coats, since it will wear rapidly.
5. The second coat may be applied when the first is thoroughly dry (6-24 hours depending on ambient temperature).
6. For maximum durability apply a third coat.
7. The final curing is achieved in 14 days (25°C).

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

## LEAD STATEMENT

**WARNING:** Treatment of old surfaces such as dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Lead dust may be released. Lead is toxic. Exposure to lead dust can cause serious illness. Wet sanding/flattening should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

## CLEANING

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

## COVERAGE

5 - 10m<sup>2</sup>/Lt depending on surface absorption

## TECHNICAL CHARACTERISTICS

**Base:** Polyurethane

**Color:** Transparent other shades upon request

**Specific gravity:** 1,35±0,35 Kg/Lt 25°C

**Thinning:** 2 - 3% with DIL X – 100

**Recoat:** 6 - 24 hours depending on room temperature

**Open time:** 4 - 8 hours

**Final curing:** 14 days

**Application temperature:** +5°C - +35°C

# Evochem®

EVOCHEM S.A.

Tzavredella place 13341, Fyli, Attica, Greece

Tel.: 210 5590460, 210 5590155 Fax: 210 5590244

E-mail: info@evochem.gr Website: www.evochem.gr





# Wood Protection & Treatment PREMIUM FLOOR VARNISH Technical Data Sheet

Reviewed: 30.07.2018

**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/lt (2010). This product contains maximum 499gr/lt VOCs (ready for use product).

## 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 12 months in unopened containers. Products should remain in their original unopened containers, bearing the manufacturers batch number.

## PACKAGING

Set A+B 1Lt, 3Lt & 10,5Lt Mat, Satin, Gloss

PACKAGING	CODE	BARCODE
Mat 1Lt	5667	5204094056676
Mat 3Lt	5658	5204094056584
Mat 10,5Lt	5659	5204094056591
Satin 1Lt	5686	5204094056867
Satin 3Lt	5679	5204094056799
Satin 10,5Lt	5680	5204094056805
Gloss 1Lt	5668	5204094056683
Gloss 3Lt	5684	5204094056843
Gloss 10,5Lt	5685	5204094056850

## HEALTH AND SAFETY INFORMATION

### COMPONENT A



Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways  
 Flam. Liq. 3: H226 - Flammable liquid and vapour Skin Irrit. 2: H315 - Causes skin irritation STOT SE 3: H336 - May cause drowsiness or dizziness P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing P370+P378: In case of fire: Use ABC powder extinguisher to extinguish. P501: Dispose of contents/container according to the separated collection system used in your municipality EUH066: Repeated exposure may cause skin dryness or cracking Substances that contribute to the classification: N-butyl acetate; Xylene; Ethylbenzene; Distillates (petroleum), hydrotreated light

### COMPONENT B



Flam. Liq. 3: H226 - Flammable liquid and vapour Skin Sens. 1: H317 - May cause an allergic skin reaction STOT SE 3: H335 - May cause respiratory irritation STOT SE 3: H336 - May cause drowsiness or dizziness P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P280: Wear protective gloves/protective clothing/eye protection/face protection P302+P352: IF ON SKIN: Wash with plenty of water P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing P370+P378: In case of fire: Use ABC powder extinguisher to extinguish. P501: Dispose of contents/container according to the separated collection system used in your municipality EUH066: Repeated exposure may cause skin dryness or cracking EUH204: Contains isocyanates. May produce an allergic reaction. Substances that contribute to the classification: N-butyl acetate; Hexamethylene diisocyanate, oligomers

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.



# Evochem®

EVOCHEM S.A.  
 Tzavredella place 13341, Fyli, Attica, Greece  
 Tel.: 210 5590460, 210 5590155 Fax: 210 5590244  
 E-mail: info@evochem.gr Website: www.evochem.gr

