

URETHANE FLAT

SMOOTH FLAT VARNISH



DESCRIPTION

Urethane flat is a solvent-based varnish that is hard, transparent, and dries to form a flat protective film.

RECOMMENDED FOR

For interior and exterior use on smooth, planed softwood and hardwood. Also suitable as a clear varnish over alkyd-based anti-corrosion systems.

KEY FEATURES

- Transparent
- UV resistant, contains a special light stabilizer for enhanced protection against harsh atmospheric exposure
- Low odor product
- Suitable on wood floors
- No lead
- Provides a water-repellent film
- Ideal for universal surfaces protection (Glazing etc.)
- Good durability, fading & yellowing resistance

PHYSICAL PROPERTIES

Solvent Type	White spirit
Finish Type	Flat finish based on ASTM D523
Spreading Rate	Approximately 10-12m ² / kg depending on surface porosity and application techniques
Average Dry Time	Dry hard in 4-6 hours based on ASTM D 1640 (100 µm wet)
Recoat	After 16-24 hours
Flash Point	Approximately 42°C
Dry Film Thickness	Between 40 and 60 microns depending on application
Thinner	Between 10%-20% thinning with white spirit
Adhesion	6.35 MPa based on ASTM D 4541
Flexibility	No crack at 1/8" conical mandrel (at 50 µm dry film thickness)
Solids	34%
Gloss	60° - 12
Density	1.00 g/cm ³
Viscosity	500 cP (Spindle 2/Speed 100)
VOC	Complies with LEED V4 maximum of 275 for wood varnishes

CERTIFICATIONS & COMPLIANCE

This product is certified compliant with the following standards: Masters Paint Institute MPI#73 – varnish, interior, flat

SURFACE PREPARATION

All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers, and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or any other appropriate methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth and dusted clean.

New plaster or masonry surfaces must be allowed to cure (28 days) before applying base coat. Cured plaster should be hard, have a slight sheen and a maximum pH of 10. A soft, porous, or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles.

CAUTION: Scraping or sanding surfaces of older buildings may release dust containing lead or asbestos. EXPOSURE TO LEAD OR ASBESTOS CAN BE VERY HAZARDOUS TO YOUR HEALTH. Always wear appropriate personal protective equipment during surface preparation and finish cleanup of any residues by water-washing all surfaces.

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APPLICATION CONDITIONS

Do not apply at temperatures below 5 °C or when rain is expected.

APPLICATION METHOD

Stir well. Apply using brush, roller, or airless spray.

PACK SIZE

- 1 US Quart – 0.78kg
- 1 US Gallon – 3.2kg

SHELF LIFE

24 months from the date of production.

STORAGE AND HANDLING

Care should be taken to avoid spillage. Store in a dry area. Protect from freezing. Extreme temperatures may cause paint to become unusable. For example: freezing and thawing may cause paint to gel, and high heat may cause solid skin to form.

SAFETY

Use under well ventilated conditions. Do not breathe or inhale spray mist or sanding dust. Avoid skin contact; spillage on the skin should immediately be removed with suitable cleanser, soap, and water. In case of eye contact, flush immediately with water for at least 15 minutes and seek medical attention immediately. If you have trouble breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

CLEANING

Remove as much leftover product as possible from the application equipment before cleaning. Clean equipment immediately after use with mineral spirits or paint thinner. Do not empty product into drains or watercourses. Wash hands after use in warm soapy water.

TECHNICAL ASSISTANCE

Available through your local COLORTEK® Design Center or through your COLORTEK PAINTS® authorized distributor. For the location of the retailer nearest you, email us at info@colortek.eu or check our website www.colortek.eu.

DISCLAIMER

Product batches are subject to stringent quality control checks in conformity with ISO 9001:2008, Certificate CH12/1128.

The information submitted in this manual is correct to the best of our knowledge & experience. No liability whatsoever can be accepted based on the information supplied herein.