

SPECIALTY COATINGS

Berger Commercial Grade Urethane Clear



PRODUCT DESCRIPTION

A two-component acrylic polyurethane high gloss, clear coating giving a high-performance finish in maintenance industries. It is a durable topcoat and can be used for exterior wood or for topside modules in the offshore industry.

DESIGNED USE

- Dry heat resistance up to 120 °C.
- Long term recoat ability properties
- Excellent gloss retention
- Resistant to a large number of chemicals and water
- Excellent UV resistance.
- Can be applied to a wide range of substrates.

PHYSICAL DATA

COLOUR Clear

FLASHPOINT Mixed 29°C

PRACTICAL COVERAGE: : 9.3 - 10.4 m²/litre (370.4 - 414.0 sq ft per 3.7L) Practical coverage depends on the porosity and texture of the surface. Some colors may require a colored primer

DRY TIME: Touch 30 mins Hard 5 hrs. and Recoat 5 hrs.

APPLICATION DETAILS

APPLICATION METHOD: Brush, roller or Airless Spray.

SPRAY RECOMMENDATIONS:

Conventional: Tip Size: 1.80 mm - 2.20 mm (0.071 - 0.087 in) Pressure: 40 - 50 psi (2.75 - 3.45kg/cm²)

Airless: 1600 - 2100 psi (110 150kg/cm²); Tip 0.28 mm - 0.38 mm (0.011 - 0.015 in)

Pack Size 1 Gallon (3.7L) and 5 Gallon (18.9L)

Thinner: Solvalux 7-73

NO. OF COMPONENTS: 2

MIXING RATIO: 7 Parts Base to 1 Part Hardener (by volume)

Ensure adequate ventilation during application and drying. Do not apply when humidity exceeds 95% and condensation is likely.

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SURFACE PREPARATION

STEEL

- For maximum performance, this product should be applied to a surface that has been blast cleaned and suitably primed with Epimastic 5100.
- The underlying system should be free from damage and defects.
- The surface to be overcoated must be dry and free from surface contaminants
- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1
- Soluble salts, dirt and dust must be removed prior to coating. Dry brushing should be sufficient. A freshwater wash must follow to remove all soluble salts.
- Always ensure the maximum overcoating time for the primer/build coat has not been exceeded prior to application.

ALUMINIUM, COPPER, ZINC SPRAYED STEEL, GALVANISED METAL

- Degrease with Solvalux 7-73 and where practical, abrade lightly.
- Pretreat with one coat of Berger Etch Primer followed by one coat of Epimastic 5100.
- Then apply Berger Commercial Grade Urethane Clear as specified.

NEW WOOD, PLYWOOD, CHIPBOARD, HARDBOARD

Sandpaper smoothly and dust down.

- Fill holes/cracks, etc. with solventless epoxy filler, apply one coat Berger Sanding sealer.
- Apply 2-3 coats of Berger Commercial Grade Urethane Clear.

CONCRETE, PLASTER, BRICK, SIPOREX BLOCKS ETC.

- Dust down, remove all splashes of plaster, concrete, cement etc.
- Fill up holes, cracks with solventless epoxy filler.
- Then apply Berger Commercial Grade Urethane Clear as specified.

PREVIOUSLY PAINTED

- Remove all rust and any loose flaking paint by abrasive blasting to expose a clean surface.
- Treat as new substrate.

SAFETY PRECAUTIONS

- Read directions carefully before using
- Keep out the reach of children
- Do not take internally
- Liquid paint and vapours may cause irritation
- Use only with adequate ventilation
- To ensure the entry of fresh air, open all windows and doors
- If headache or dizziness is experienced, use respiratory protection or leave area for fresh air
- Avoid contact with skin or eyes

FIRST AID

Ingestion: Do not induce vomiting. Get medical attention immediately

Inhalation: If excessive exposure symptoms are experienced, leave area to obtain fresh air. If difficulty continues, seek immediate medical attention.

Eye Contact: Flush immediately with water for at least 15 minutes.

Skin Contact: Wash thoroughly with soap and water.

DISCLAIMER

The information provided on this datasheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.

For specific recommendations, contact your Berger Technical Service Representative or Technical Service Department. Jan. 2025
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