

bz-COR Outdoor Product Varnish

Technical Specification

bz-COR Polyurethane SAT-EX varnish is a two-component, odorless polyurethane mixture designed for finishing Corten steel. It provides a smooth effect, is suitable for both interior and exterior use, and is highly durable compared to other varnishes. This product is strong and transparent.

IMPORTANT

Never mix the varnish with a universal thinner; use only Xylene or a polyurethane thinner. When using the varnish, ensure the container is well sealed, as the surface of the varnish inside may harden, making application more difficult.

When applying the varnish, you must wear a protective mask, and if working in poorly ventilated spaces, take precautions to avoid inhaling product vapors. Drying should take place in a well-ventilated area to prevent cloudy finishes or streaks.

This product must not be used on wet surfaces or areas with water residues under any circumstances.

This product is recommended for professional use only.
Keep out of reach of children.

HOW TO USE

This varnish can be applied with a brush, roller, or spray gun, depending on the surface being coated and the desired finish. Mix **bz-Cor** Polyurethane SAT-EX varnish with the activator, ensuring that the 10:1 ratio is maintained. Stir well before use. Apply to an already dried **bz-COR** varnish layer if the coated surface is intended for outdoor conditions. This product can also be applied directly to **bp-COR** fixative once it has fully dried.

OUTDOOR USE

Apply 3 coats. Allow 3-4 hours of drying time between the first and second coats. Then wait 5-6 hours before applying the third coat.

DRYING TIME

- **Touch dry:** after 3 hours
- **Scratch-resistant:** after 7-8 hours

Do not wait more than 24 hours between coats. The varnish is scratch-resistant, but this

property is only achieved after applying at least 2 coats and allowing the product to dry for at least 7 days.

PHYSICAL PROPERTIES

- **Density at 20°C:** 0.980 kg/cm³
- **Solid content:** 40%
- **Condensation:** Reacts with ambient humidity
- **Product type:** Two-component
- **Color:** Transparent

APPLICATION TEMPERATURE

We recommend using **bz-Cor** Polyurethane SAT-EX varnish at a temperature of no lower than 10°C and no higher than 30°C, whether for indoor or outdoor applications. Temperatures outside this range may cause excessively fast drying or an unclear finish.

STORAGE

Store the product in a cool, well-ventilated area, away from direct sunlight.

Shelf life: 12 months.

After use, ensure the product is well-sealed to minimize prolonged exposure to air.

COVERAGE

One liter of product covers 8 m² per coat.

CLEANING

Thoroughly clean all tools that came into contact with Xylene activator.

FINAL DRYING TIME

Each coat requires 6-7 hours of drying time. It is recommended to apply 3 coats of **bz-Cor** Polyurethane SAT-EX. Once completed, the Corten steel surface will be highly protected. The final coat should be allowed to dry for 24-48 hours, though maximum resistance is achieved only after 7 days.

MAINTENANCE

Satin-finished Corten steel is significantly more durable, but maintenance is still required. Specific maintenance depends on physical, mechanical, and environmental conditions surrounding the product. This work should be performed by a specialized company that can provide the necessary care for each case.