

# LINEACOR®

Products for the treatment of corten steel

## ***bz-COR***

***Polyurethane SAT-EX***

Protective varnish for COR-TEN steel

**TECHNICAL DATASHEET**

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### Protective varnish **bz-COR Polyurethane SAT-EX**

**bz-COR Polyurethane SAT-EX** varnish is a two-component aliphatic polyurethane polymer that can be used to finish COR-TEN steel. It gives a satin appearance, is suitable for exterior and interior usage and is extremely durable compared to other lacquers. This product offers transparency and hardness, as well as the ability to polymerize easily.

**IMPORTANT:** *Never mix this varnish with universal solvent, only use "XILENO" or a polyurethane solvent. During the application of the varnish, make sure you do not leave the container uncovered, as this could cause the top of the surface of the varnish to harden and that in turn will make it difficult to use.*

*During the application, you should wear a mask and if working in a poorly ventilated space, be careful not to inhale the product's vapours. At the time of application, drying must take place in a very well ventilated area to avoid a dull finish and the occurrence of streaking.*

*Under no circumstances should you apply this product onto a damp surface or where there is water (i.e. rain) as this varnish reacts with water.*

*This product is recommended for professional use only.*

**This product must be kept out of the reach of children at all times.**

## HOW TO USE

For the application of this varnish, you can use a brush, roller or gun (TURBINE), depending on the type of surface you are going to apply it to and / or the finish you want. Mix **bz-COR Polyurethane SAT-EX** varnish with the pot of the catalyst, making sure to always add in the proportion of 10:1. Mix well and then the varnish is ready for use. Apply on top of a dry coat of **bz-COR** when the surface you are treating is for exterior placement. It can also be applied onto **bp-COR** directly, having knowledge of the finishes and drying of **bp-COR** stop bath.

**OUTDOORS:** 3 applications. Between the first coat and the second, allow 3-4 hours before applying the second coat. Then wait between 5 and 6 hours before applying the third coat.

**DUST FREE:** 3 hours

**DRY TO TOUCH:** 7 hours

**SCRATCH RESISTANT:** 7-8 hours

When between coats, make sure you do not wait more than 24 hours before proceeding with the next application (indoors / outdoors).

The varnish is abrasion resistant. It requires 7 days and 2 applications before it acquires all of its physical resistance properties.

## PHYSICAL CHARACTERISTICS

Density at 20 °C ..... 0,980 kg/cm3  
Solids content ..... 40%  
Polymerised ..... Reacts with humidity in the environment  
Type of product ..... Bi-component  
Colour ..... Transparent

## WORKING TEMPERATURE

When applying **bz-COR Polyurethane SAT-EX** varnish, we advise – for both outside and inside installations – you work in an ambient temperature of between 10 and 30 °C. We do not recommend applying the product outside of these temperature ranges because it can result in very fast drying and / or dulled finish.

## STORAGE

Store the product under cover in a cool and ventilated place, avoiding direct exposure to sunlight. Shelf-life for the product (unopened): 12 months. Once you have opened it, make sure to close it well after use, and avoid the product being in contact with the atmosphere for prolonged periods of time.

## COVERAGE

You should achieve approximately 8 m2 per litre of product used, based on applying a single coat.

## CLEANING

Make sure to clean anything that was used for the “XILENO” solvent application.

## DRYING TIME

You need to allow each coat to dry for between 6 and 7 hours. We recommend that you apply 3 coats. Once you have applied 3 coats of bz-COR Polyurethane SAT-EX varnish, the COR-TEN steel will now be extremely well protected. For final drying, you need to wait for between 24 and 48 hours following the last application, although it will take 7 days for the varnish to reach its maximum resistance.

## MAINTENANCE

With a satin finish, COR-TEN steel has greater durability but it needs to be subject to maintenance. The maintenance required will be directly influenced by the physical, mechanical and atmospheric conditions of the place where the steel is installed. It should be carried out by a specialized company, who will advise of the maintenance schedule to be followed in each case.