

# LINEACOR®

Products for the treatment of corten steel

## *act-COR Gel*

Rust activator for COR-TEN steel in gel format

TECHNICAL DATASHEET

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### Rust activator **act-COR Gel**

**IMPORTANT:** Before using the product, please make sure you read all of this Technical Data Sheet and, above all, remember that this is an acidic, corrosive compound. When **act-COR** is formulated into a GEL, it is even more corrosive due to the bonding that gives it its state. It must only and exclusively be used to activate oxidation, forcing the rusting process and / or to lighten an oxidized surface, on cold-rolled or hot-rolled steels that have been sand-blasted.

*This product is recommended for professional use only*

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

## HOW TO USE

Before you begin applying **act-COR Gel**, it is essential that you put on rubber gloves (resistant to acids), protective goggles and overalls / a protective suit, in order to safe guard yourself in case of possible splashes from the gel. Once you have put on the appropriate clothing, you then need to check the condition of the surface that you are going to treat; it should be clean and free of any grease, dust, oil or dirt. This way the product will act faster and you will avoid unwanted stains after the oxidation has happened. Now proceed by pouring the **act-COR Gel** onto the surface; spread it over the sheet using a spatula, brush or any other similar plastic item, distributing the gel uniformly over the surface.

After a pause of approximately 20 minutes, you will notice how the oxidation process begins quicker than if you had used the liquid version of the activator. Repeat the process one or two more times, leaving an interval of 2 hours between each application, in order to achieve the desired finish.

If you want to seal the COR-TEN steel sheet after having treated it with **act-COR Gel**, then you should stop the oxidation process using our **bp-COR stop bath** product (instructions on how to do this can be found in the corresponding Technical Data Sheet). You can apply **bp-COR stop bath** using a spray gun or a roller, both inside and outside. Indoors you can varnish the sheet with our varnishes **bz-COR** and **bz-COR Natural Matt**.

**NOTE:** Even though this product has a gel texture, you still need to take precautions when oxidizing a vertical surface or ceiling, making sure it does not drip or stain anything. We recommend that you protect (cover) anything in the immediate vicinity of your work that could be susceptible to being stained.

## APPLICATION TEMPERATURE

**act-COR Gel** can be applied in ambient working temperatures of between 10 and 25°C, at this temperature range you will get the best results from the product. However, humidity, direct sunlight and other atmospheric agents can impact its performance and how long it takes to work. The parameter that you need to pay special attention to is temperature. Should it be warm and the working temperature is close to the upper limit, along with the sun shining directly onto the COR-TEN steel sheet, then this combination can cause the gel to liquefy and lose its gelatinous status. Should that occur, this product, which is indicated as being especially suitable for applying to vertical surfaces or surfaces with significant sloping, with the loss of its gel status it would now mean that it could no longer be used for such applications.

## STORAGE

Keep under cover and in a cool and ventilated place, avoiding direct exposure to sunlight. NEVER ALLOW the product to be stored outside of a temperature range of between 5°C and 25°C, because this results in the product losing its gelatinous characteristics, and once this happens, it cannot be reversed.

## COVERAGE

It will cover approximately 7 m<sup>2</sup> of a surface, although it is necessary to bear in mind that the thickness of sheet will influence this data, as well as the external temperature and the material on which you are applying it. To be especially useful for its application on vertical surfaces, it is also necessary to take into account the thickness of the product layer that you applying

## DRYING TIME

The product takes between 30 and 45 minutes to dry. After this time, remove any excess product that is still present on the sheet.

## IMPORTANT POINT TO BEAR IN MIND

As we have explained previously, this product is a gel made from an acid solution and it is essential to avoid any accidents due to incorrect usage, as well as the product being used by non- professional people who are not qualified to handle such materials.