LINEACOR®

Products for the treatment of corten steel

act-COR

Rust activator for COR-TEN steel

TECHNICAL DATASHEET

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Rust activator act-COR

IMPORTANT: *Before using act-COR rust activator, make sure you have completely removed the MILL SCALE layer from the COR-TEN steel sheet, in order to obtain maximum performance from this product.*

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

HOW TO USE

Before applying act-COR rust activator, you need to ensure that the surface being treated is completely clean, without MILL SCALE, grease or anything else that could negatively impact the process. You do not have to shake act-COR before use, as it does not contain sediment or particles in suspension. Pour the rust activator into a paint bucket or a spray gun and apply it to the surface that you want to treat. Do not apply too much product; a greater quantity applied will not result in a quicker or more intense oxidation. Proceed by spreading the product over the entire surface using a fine foam roller, examining the surface carefully to make sure that every part has been covered with product and then you have finished.

Now wait for between 30 to 45 minutes and after having checked that the surface is completely dry, you can then go ahead and apply a second coat. You can now look forward to seeing the shades that will result from the oxidation process on the COR-TEN steel. Orange tones will appear on sand-blasted sheets, while for those sheets that have been cold-rolled, you will find the colour is a little darker. The tones of the oxidation will be lighter or darker depending on the amount of light the surface has been exposed to during the process, and from 24 hours onwards, you will see that the oxidized layer begins to be fixed to the COR-TEN steel, although the oxidation is still very superficial.

You need to wait for 48 hours before the final (oxidized) finish has stabilized. If you require the treated steel to be oxidized further, another coat of act-COR can now be applied, although be aware that the evolution of the oxidation will continue over time. The appearance of the oxidation will be influenced by factors such as the way the product has been applied, the humidity of the environment that you are working in, and if the surface that has been treated is outside, it will also be influenced by any rain and also the number of hours in direct sunlight.

APLICATION TEMPERATURE

When applying act-COR, you need to bear in mind that the product delivers the best results when application takes place at an ambient temperature of between 10 and 30 ºC. The metal sheet that you are treating also needs to be at this temperature too; otherwise it can change and / or saturate the colour and finish of the oxidation.

CLEANING

Make sure you clean all tools used for the application with plenty of water

PERFORMANCE

Depending on how the product has been applied, you should be able to cover around 20m2 per litre of product used.

DRYING TIME

The drying time ranges between 30 to 45 minutes depending on humidity, the ambient temperature and whether the surface being treated is located indoors or outdoors.

IMPORTANT POINT TO BEAR IN MIND

This product is **photo-sensitive**, so you need to pay special attention to the evolution of the oxidation. Depending on whether the process is carried out indoors or outdoors, in poor lighting conditions or under artificial (cold i.e. fluorescent) lights from a distance of less than 2m, oxidation will happen more slowly or more quickly, so you need to be continually checking the treated surface in order to achieve the oxidation tonality that you want. For example, under a cold light source (fluorescent) that is no more than 2 meters away, the process accelerates and therefore, the tonality of oxidation that results will happen more quickly and these tones will be redder and darker.