

LINEACOR®

Products for the treatment of corten steel

dx-COR

Mill Scale Extractor for COR-TEN steel

TECHNICAL DATASHEET

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Mill scale extractor **dx-COR**

VERY IMPORTANT: PLEASE NOTE WELL, before using this product, you need to dress appropriately and wear glasses, gloves, a mask and a protective suit. **THIS PRODUCT CONTAINS A MIXTURE OF ACIDS**. Please read this Technical Data Sheet before using the product. It should only and exclusively be used to extract, weaken and descale MILL SCALE present on hot-rolled steel.

dx-COR is recommended for PROFESSIONAL USE only.

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

HOW TO USE

Before you begin to apply **dx-COR**, it is essential to put on protective clothing, including a mask, rubber gloves (resistant to acids), protective goggles and overalls or a protective suit, to avoid accidents or in case of possible splashes.

To apply **dx-COR**, the surface needs to be clean and free of grease, oils, dust and dirt, as these can act as a screen and prevent the product being effective in removing the mill scale.

Once you have put on the appropriate protective clothing, proceed by pouring the liquid (no need to mix it) into an applicator (we recommend you use a sprayer although our **Pulveroxid** sprayer is not suitable as this has a membrane and **dx-COR** would damage it). You can use any sprayer or atomizer that has a liquid intake tube made from plastic. Proceed by spraying **dx-COR** onto the surface and then use a flat brush to spread and aerate the solution continuously, while removing the solution you have poured onto the sheet at 5 minute intervals.

After a pause of approximately 20 minutes, scrub the surface with a scouring sponge (i.e. Scotch Brite) or an abrasive cleaning sponge. The process of MILL SCALE removal will now begin. You need to spray several more times with intervals of 20-30 minutes, until you see that the MILL SCALE begins to lift. You will notice that on some parts of the sheet, white flakes are visible, indicating the separation of the MILL SCALE from the steel. With each application, the surface must be continuously scoured, so that together with the applied product, the sheet is oxygenated and the action of the product is reinforced. Once the layer of MILL SCALE has largely disappeared, then proceed to clean the entire surface with water. You can do this using water under pressure (if your working environment allows) or with rags well soaked in water, until the acid residue is completely removed.

DRY THE SURFACE WELL BEFORE APPLYING THE **act-COR RUST ACTIVATOR.** If you want to oxidize the steel sheet following treatment with dx-COR, you can now proceed to start the oxidation process using **act-COR**, following the instructions that you can find detailed in the corresponding technical data sheet.

NOTE: Take care when extracting MILL SCALE from a surface that is placed horizontally versus one located vertically, the application technique varies, as does the performance.

VERY IMPORTANT: NEVER LEAVE **dx-COR to dry on the metal.**

APPLICATION TEMPERATURE

dx-COR can be applied when the ambient temperature is between 10 and 30 °C, this temperature range will give optimal results. However humidity, direct sunlight and other atmospheric agents can impact the efficiency and performance time.

COVERAGE

Used on a surface with MILL SCALE, you should be able to cover an area of around 10m² per litre of product used, although note well, the thickness of the sheet will greatly influence this figure.

DRYING TIME

dx-COR takes between 30-45 minutes to dry, but **NEVER LET IT DRY**. Once you have worked on the sheet, cleaned and dried it, you need to repeat the process from the beginning. Spray – rub – clean – dry.

STORAGE

Store the product in a place that is protected from heat and humidity. Ensure it is **OUT OF THE REACH OF CHILDREN** and other people not familiar with this type of work.

HOW TO CLEAN

Always clean all the tools you have used during the process with plenty of water and allow them to dry.

IMPORTANT CONSIDERATIONS

As we have explained previously, this is an acid solution and it is critical to prevent any accident from incorrect handling, as well as to ensure it is only used by people who are qualified to work with such liquids.