

act-Cor GEL Technical Description

IMPORTANT

Before using this product, please ensure you have read the Technical Information provided in this document and understand that this is a corrosive chemical mixture. When act-Cor is in gel form, it becomes even more hazardous due to its thick consistency. This product is intended solely for accelerating the rust activation process and/or re-rusting or lightening already oxidized surfaces on cold-rolled or hot-rolled metals that have had mill scale removed.

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

HOW TO USE

Before using act-Cor Gel, wear acid-resistant rubber gloves, protective goggles, and work clothing to protect yourself from possible splashes. Once you are properly prepared, check the surface condition— it must be clean and free of grease, dust, or other contaminants. This ensures faster and more even results, avoiding unwanted stains.

Now you can begin applying act-Cor Gel by pouring it onto the surface and spreading it evenly with a spatula, brush, or another suitable plastic tool.

After approximately 20 minutes, you will notice the oxidation process beginning, which happens significantly faster than when using liquid act-Cor oxidizing activator. Repeat the process once or twice, leaving at least 2-hour intervals between layers to achieve the desired finish.

If you wish to fix the oxidation on Corten steel after using act-Cor Gel, you will need an oxidation fixative bp-Cor (instructions can be found in the corresponding product description). The fixative can be applied by spraying or rolling, both indoors and outdoors. For indoor applications, you can seal the surface using bz-Cor varnish.

Note: Even though this product has a gel-like consistency, precautionary measures must still be taken to prevent dripping and staining when applying it to vertical surfaces or ceilings.

APPLICATION TEMPERATURE

act-Cor Gel should be applied in an environment with a temperature between 10°C and 25°C, as this ensures the best results. It is important to note that humidity, sunlight, and other atmospheric factors may affect the process duration and final quality. The most critical factor is temperature— if the air temperature exceeds 25°C and the product is exposed to direct sunlight, the gel may become liquid.

If the gel liquefies, it will no longer be suitable for vertical or sloped surfaces.

STORAGE CONDITIONS

Store in a cool, ventilated area, away from direct sunlight.

Do not store at temperatures below 5°C or above 25°C, as the gel consistency will be lost permanently and cannot be restored.

COVERAGE

Approximately 7 m² per liter. However, coverage may vary depending on:

- The thickness of the applied layer
- Environmental temperature
- The type of material being coated

DRYING TIME

The product dries within 30-45 minutes. After this period, remove any excess residue from the surface.

IMPORTANT TO KNOW

As mentioned earlier, this is an acid-based gel mixture, so safety precautions must be strictly followed to prevent accidents. This product is not recommended for individuals without experience in handling similar products.