

1412 KELA RUST

RUST CONVERTER, ORGANIC CHELATING AGENT



Advantages

- Suitable for rusty ferrous surfaces
- Quick drying
- Ready-to-use

Description and Use

KELA RUST is a rust converter, which looks like a milky fluid liquid, applicable by brush or spray on surfaces that cannot be treated mechanically.

It reacts with rust forming a complex metal-organic of purple-black colour, very stable, which adheres strongly to the sheet, prevents new rust and is an excellent substrate for the paint that will be applied later.

Substrate preparation

Remove oil, grease, non-adhering rust crusts and iron scale.

Corroded surfaces exposed to marine atmosphere, or polluted by chemicals substances, must be rinsed with a water blast before applying KELA RUST.

The product can also be applied on wet surfaces.

Application

Application method:

- air mix spray gun with nozzle Ø 1.5-1.7 mm and pressure of 2-3 bar
- brush
- roller

Dilution:

The product is ready to use. In case of necessity can be diluted with water. Never use solvents of any kind.

Recommended thicknesses:

Apply without excess, according to the rust thickness to be treated; prevent sagging.

The product needs some moisture to develop its reaction. It is recommended to apply it in the evening to take advantage of the night dampness, and repaint the morning later.

Never apply in the sun or on hot sheets. The drying too quickly will not allow the process to complete.

Do not repaint before the complete reaction, about 3 hours in normal conditions. The rusted parts must have a deep blue-black colour.

The treated surfaces should be recoated with any type of paint, within 6-7 days from the application of KELA RUST.

Storage life

PROTECT FROM FROST. Store the product between + 5 (41°F.) and 30°C (86°F.)

If stored in a cool, dry place, away from sources of heat and sheltered from sunlight, in its sealed original packaging, the product has a shelf life of 12 months. Check the product's shelf life by referring to the production batch number shown on the packaging. The batch number is made of eight numeric characters in which the first four digits identify the year and month of production. Once the product has expired, it must be disposed of in accordance with the current legislation.

Technical features

Colour	white-cream
Binder	chelating-polymer, derivative of tannic acid
Appearance of the dry film	colourless on clean iron, black-blue on rusty iron
Specific weight	1.03 kg/l (±0.02)
Practical cover rate *	8-10 m ² /l
Air drying (20°C)	30 minutes
Recoatible	after at least 3 hours

* According to the conditions of the support

The data are measured at a temperature of 20°C.

Warnings

- **The product contains synthetic polymer microparticles (SPM).**
- **INSTRUCTIONS TO PREVENT THE RELEASE OF SYNTHETIC POLYMER MICROPARTICLES INTO THE ENVIRONMENT**
- **In accordance with Regulation (EU) 2023/2055, please follow the procedures below to prevent environmental release.**
- During use and application, avoid accidental release of the product onto soil, into drains, or household wastewater. Apply the product only to the surfaces to be treated.
- Any remaining product should be stored by tightly sealing the original container. Dispose of the product/container in accordance with national regulations.
- If you wish to reuse the tools used for application, follow these steps to clean them in an environmentally responsible manner.
- The water, solvents or thinners used for cleaning tools, as well as any product residues, **MUST NOT** be released into the environment or poured down domestic drains.
- Remove as much product as possible from the tools used.
- Soak the tools in hot water or in solvent for at least a couple of hours, then remove them from the container.
- Allow the water in the bucket to evaporate and let the tools dry. For solvent-based products, close the container. Do not release the product into the environment and do not pour it into drains.
- Deliver the container with any remaining product / wash water / solvent / cleaning thinner to an authorised waste collection centre, in accordance with national regulations.
- Never use cans or metal tools, only plastic.
- Do not put the leftovers back into the original packaging, because it contains traces of rust. This may cause the hardening of the whole mass.
- Product recommended for expert users.
- Always refer to the safety data sheet for the relevant products.
- It is recommended to acquire all the material required to finish the work of the same batch.
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions. The variability of the raw materials available on the market can lead to slight deviations in the declared values. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use, in particular when different batch numbers of the same material are used in the same work/site.

The above mentioned data are meant to facilitate our customers in the use of our products. IMPA is not responsible for applications of products carried out beyond its direct control. For further technical information about specific systems and/or special applications, please contact our TECHNICAL SERVICE at assistenza.technica@impa.it.