

## Technical Data Sheet

### DURO Natural Rust Preventive Primer No. 623

**Suitable for** Interior and exterior iron and steel surfaces; also suitable for radiators and heating pipes.

**Technical qualities** Good adhesion and opacity on fully derusted metal. Satin gloss. Temperature resistant up to 90 °C. Contains no lead or chromates.

**Full declaration** Linseed oil - stand oil - natural resin ester, mica, zinc phosphate, Isoaliphates, mineral pigments, chalk, talcum, castor oil – stand oil, silicic acid, soy lecithin, citron oil, orange oil, dehydrated amino sugar, and drying agents free of lead (Co, Zr).

**Colors** 051 Persian red  
211 Grey white

**Dilution** Use SVALOS Thinner No. 222

**Application method** By sparingly brushing, spraying or roller application at temperatures over 12 °C and low humidity.

**Coverage** Determine the exact coverage by doing a test application!  
1 undiluted liter is sufficient for approximately 12 – 18 m<sup>2</sup> per coat, i.e. 67ml/m<sup>2</sup>.  
Coverage could be considerably higher depending upon the condition and absorbency of the surface. The optimal dried thickness of each coat is 40 – 50 µm.

**Drying time** At 23 °C and 50 % relative humidity, dry to the touch after approximately 6 hours.  
Subsequent coats may be applied after approximately 24 hours.

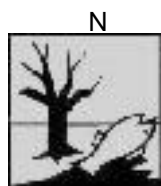
**Cleaning up** Clean equipment immediately after use with SVALOS Thinner No. 222.

**Specific gravity** Approximately 1.5 g / ml.

#### Safety advice

Provide enough ventilation after application.  
Always be sure to store and then dispose of cleaning cloths, polishing pads, sponges, etc. that are still wet or even slightly moist with DURO Natural Rust Preventive Primer No. 623 in an airtight metal container or in water, as there is a danger of spontaneous combustion caused by the plant oil content.

The product itself will not combust spontaneously. Color discrepancies are possible due to the raw materials. Use the same batch number per project!  
Contains limonene and cobalt (2+) salts. Can cause allergic reactions.



Dangerous for the environment

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
S 2 Keep out of the reach of children  
S 60 This material and its container must be disposed of as hazardous waste.  
S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.  
S 62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

**Disposal** According to local official regulations.

**Container sizes** 0.125 lt; 0.375 lt; 0.75 lt; 2.5 lt

**Storage** Cool and dry. Close lid tightly after use and use up within 3 months.

## Application

**Iron and steel** Remove rust completely. Surface must be dry and free of separation agents, grease and dust.

**Preparation** Do not use any rust conversion products!

**Coating structure** Stir DURO Natural Rust Preventive Primer No. 623 thoroughly before use. Apply base coat of DURO Natural Rust Preventive Primer No. 623 diluted with 5 – 10 % of SVALOS Thinner No. 222 with brush, roller, or spraying device.  
Sand in between with 220-grain sandpaper not earlier than 24 hours after application. Apply a sparing, undiluted second coat of DURO No. 623.  
In exterior areas, a subsequent treatment of the surface with VINDO Natural Gloss Paint No. 629 must follow within a week.  
In interior areas depending on the field of application, a final coat may be applied with CANTO Natural Matt Paint No. 692 or VINDO Natural Gloss Paint No. 629.

## Zinc

**Preparation** A thorough cleaning of the surface is necessary to ensure adhesion: e.g. create a solution of 5 liters of water, ¼ liter of a 25 % solution of ammonia and with a tablespoon of a wetting agent (such as a dish washing detergent), then scrub the surface with a corundum fleece such as Scotch Brite, do not use steel wool or a wire brush under any circumstances. A grey foam will develop after 10 minutes, rinse off thoroughly with water. Wear rubber gloves while mixing solution and scrubbing!  
Before treating with DURO, the surface must be completely dry.

**Coating structure** Follow coating format as for iron and steel above.  
Previously varnished zinc surfaces should not be painted over with DURO Natural Rust Preventive Primer No. 623.

**Important tips** The Color tone might vary from batch to batch due to the raw materials used.  
DURO Natural Rust Preventive Primer No. 623 contains little solvent, so it tends to develop a skin. Before using, simply remove the skin and stir well. Apply coating only to thoroughly de-rusted surfaces immediately after the de-rusting procedure. Transfer unused portion of product into a smaller container for storage.

These directions are the result of long years of research and practical testing. They are backed by our most current expert information. New findings may invalidate this information. This data sheet is meant to serve as information and instruction.

No legal liability should be interpreted from it. In case of doubt, please contact the retailer, wholesaler, or manufacturer.

January 2011 Rev. 2.3