

SELDER & COMPANY AB

WORK MANUAL FOR RUSTPROOFING OIL

www.selder.com

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**The work differs significantly from that with other rustproofing oils.
READ CAREFULLY FOR A GOOD RESULT.**



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CLEAN, NON-CORRODED METAL SURFACES TO BE PAINTED

are automatically rustproofed by painting with Selder's linseed oil paints. Half of them is a binder which has the same composition and properties as RUSTPROOFING OIL.

CORRODED (RUSTED) METAL SURFACES, TREATMENT WITH OIL AT ROOM TEMPERATURE

Remove loose rust, paint residue, grease, lichens, algae, etc. The surface can be burned off with a blow torch, whereby any moisture in the iron evaporates and lichens and loose rust char / become brittle and are easy to brush off with a wire brush. Point corrosion, solid rust and rust don't need to be removed, as the oil saturates them.

NOTE: Do not use alkaline detergents, e.g. STRONG SOFT SOAP, as the oil is dissolved in bases (the opposite of acids).

Apply RUSTPROOFING OIL with a brush or a sprayer on a dry surface when the daily temperature stays above 5 °C / 41 °F.

Wipe off: Oil that remains on the surface forms a sticky skin. If you want a clean and dry surface, e.g. for painting, thoroughly wipe off any oil left on the surface after 1/2-1 hour.

Wash brushes and utensils with strong soft soap.

Allow time to oxidize: At 20 °C / 68 °F and with good ventilation, the oil dries within a day. It dries by oxidation and the drying time depends on 1. the oxygen supply and 2. the temperature. In wind and solar heat, the surface can become touch-dry in a few hours - in a cool garage with poor ventilation it can take up to a week.

Linseed oil burning is an efficient rustproofing method that has been used for centuries. **Heat** the workpiece until it is red-hot. **Wait** until the workpiece no longer glows red. Then immediately **dip** the workpiece in RUSTPROOFING OIL - you do not need to heat the oil.

LINSEED OIL BURNING OF IRON AND STEEL

is an effective rust protection method that has been used for centuries.

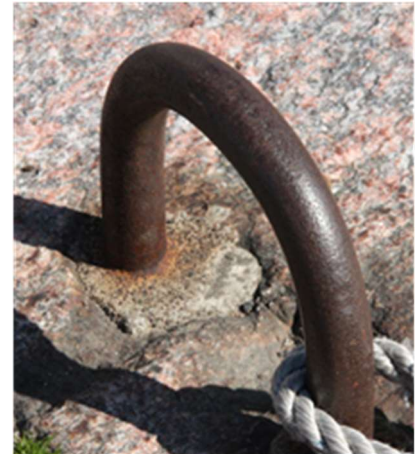
When iron or steel is heated, the crystal structure expands. Therefore, RUSTPROOFING OIL penetrates even better than it does into cold surfaces.

Check out what others are doing on Instagram: #linoljeburning.

The picture to the right shows a mooring ring in Helsinki's Old Port.

According to the Port Authority and the National Board of Antiquities, it dates from the Russian period before 1917 and has not been maintained since.

The ring was apparently burnt with linseed oil before assembly sometime around the turn of the 19th/20th century. The normal corrosion rate would be 0.1 mm / year, i.e., the ring would already be rusted through, had it not been burnt with linseed oil.



Heat the workpiece until it is red-hot.

Wait until the workpiece no longer glows red.

Then immediately dip the workpiece in RUSTPROOFING OIL - you do not need to heat the oil.

The linseed oil-burnt surface turns brown, not black, when you burn linseed oil with our refined RUSTPROOFING OIL.

LINSEED OIL BURNING "LIGHT"

Heat the workpiece in an oven at 275 ° C / 527 °F.

Dip the workpiece in RUSTPROOFING OIL - you do not need to heat the oil.

MAINTENANCE

Oil treated surfaces can be washed with water and acidic or neutral detergents after the oil has dried.

NOTE: Do NOT clean the surface with alkaline detergents, such as STRONG SOFT SOAP. The oil reacts with alkali, causing the outer layer to dissolve. If this happens, the surface must be polished with a small quantity of oil on a cloth.

GENERAL

CONSUMPTION

About 1-2 dl/m². The main source of variation is the quantity of rust pores.

CORROSION PROTECTIVE EFFECT

The oil is water-repellent and non-biodegradable. The molecules are small and penetrate into the surface structure of the substrate, into rust pores and into the crystal structure of clean

surfaces. There, they dry by a reaction with the oxygen in the rust and in the air to a natural polymer with excellent adhesion that prevents further corrosion.

PAINT TREATED SURFACES

You can paint metal treated with RUSTPROOFING OIL.

WORKER PROTECTION

Respiratory protection is not required. Provide good ventilation, especially when working with oil at 130 °C. The oil has low thermal conductivity and at this temperature does not cause burns in the event of spillage.

SAFETY

RUSTPROOFING OIL consists of oxidizing fatty acids that **can ignite spontaneously**. Cloths and other porous materials moistened with RUSTPROOFING must be soaked in water without delay. Oil treated surfaces do not ignite on their own. The danger concerns only fibrous materials.

The oil is indigestible. It dries in the digestive tract and causes diarrhea.

Metal objects burn when lifted from warm oil.