



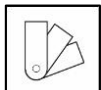
SHOPPRIMER ESI

DESCRIPTION



SHOP PRIMER ESI is a combination of heat resistant alloy and heat resistant silicate solution producing an inorganic rust preventive coat mechanically adhered to the steel and giving an effective and long-term protection against corrosion without suffering from blistering and loss of adhesion. It is compatible with organic over coatings as well as with inorganic over coatings. SHOPPRIMER ESI is extremely resistant to heat (up to 800°C) and secondary surface preparation coat can be decreased. It has excellent welding and cutting properties and presents no health hazard to the welder.

COLOUR



Grey, Brown and Green

PROPERTIES

- Fast Weldable
- Ultra heat resistant shop primer

USAGE

As a primer for temporary protection of blast-cleaned steel , as a general purpose rust-preventing primer for organic and inorganic over-coating and also as a heat resistant paint.

SPECIFICATIONS



VOC content of volatile organic compounds

To 628 g/l

Solid content

36 (±2) Volume %

Working temperature



In a dry atmosphere, the coating can be subjected to continuous operation at 800°C.

APPLICATION



Application method

Airless spray, Brush, Roller

Airless spray

Nozzle tip	Dilute %	Pressure
GRACO 617, 923 or other equivalent.	5 – 35 %	3.8 – 8.9 Mpa

The width of the sprayed jet, the so-called spray angle, should be chosen taking into account the shape and size of the surface to be painted.



SHOPPRIMER ESI

Thinner

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Coating enamels

Most our products or the equivalents.

Surface preparation

Surface	Preparation
Steel	Prior to blast cleaning the surface must be clean, dry and free of oil and grease. Abrasive blast clean to a visual standard at the time of painting in accordance with ISO-Sa 2.5. Surface roughness 50 - 100 microns.

Application conditions

- Temperature: minimum substrate 0°C, minimum 3°C above dew point temperature, minimum ambient 0°C
- Humidity: relative air maximum 85%
- Safety: efficient and adequate ventilation in the workplace

Mixing of components



Version IN PLANT		
	Component A: Paste	Component B: Paste
By volume	39	61

The above values indicate the capacity of the packaging, not the actual volume of the product in the packaging.

Ready to use

5 min (in temp. 20±2°C)

Pot-life of mixture

24 hours (in temp. 20±2°C)

Drying times (at temp. 2°C and relative humidity 55±5%)

For layer DFT 15 (±10%) µm (in temp. 20±2°C and relative humidity 60±10%)	
Degree 1	2 min
Degree 3	1 h
Minimum for applying the next coat	4 h

These parameters may vary with changing environmental conditions, the number and thickness of the layers. The negative effect on the curing of the coating is, first of all, insufficient temperature and high humidity (rain, condensation of water vapor).

ADDITIONAL INFORMATION

Storage



The material should be stored in original, tightly closed containers, away from possible sources of fire, in places exposed to direct sunlight or elevated temperatures, children should be protected from access to products, storage temperature: from 5°C to 30°C.



SHOPPRIMER ESI

Shelf life



The minimum shelf life indicated on the package is the value of the indication, which depends on a number of factors - first of all, the method and temperature of storage. After exceeding the specified date, the quality of the product must be reviewed.

Safety information



Information on the presence, detection of threats, actions during first aid and in case of fire, as well as environmental and legal regulations can be found in the safety data sheet, which can be obtained from the manufacturer Malchem.

Basic security measures

- Read the information on the product packaging.
- Efficient and appropriate ventilation at the workplace.
- Avoid contact with skin and inhalation of vapors.
- Use of costumes, gloves and masks.
- If the product comes in contact with skin, wash the area with warm water and soap or other detergent.

In case of contact of the product with eyes, rinse immediately with water and seek medical advice immediately.

PRODUCT IS INTENDED FOR PROFESSIONAL USE ONLY

The above information is based on our current knowledge and experience. However, they are not completely exhaustive and complete. We provide them in good faith based on laboratory research and practical experience. However, due to the variety of methods, application and usage conditions, they should be verified in specific applications. The product is intended only for professional and industrial use by persons who have sufficient knowledge and experience in its use. The manufacturer cannot control the conditions under which the product is used. Under applicable regulations, we do not take responsibility for damages caused by using the product in a manner inconsistent with applicable standards and recommendations. Use of the product for purposes other than indicated in this document only and exclusively at the user's own risk. The product information provided is subject to change without notice.