

TECHNICAL DATA

MAXIGUARD® MGP 801 ES

ETHYL SILICATE PRIMER

PRODUCT DESCRIPTION

MAXIGUARD® MGP-801 ES is a two component, quick curing, ethyl silicate primer with zinc rich anti-corrosion pigmented that complies with the compositional requirements for SSPC Paint 20 level 2 and ISO 12944

RECOMMENDED USE

A general purpose, heavy duty, anticorrosive primer for long term protection of steel exposed to moderately to severely corrosive environment. Resistant to cyclic dry temperatures up to 400°C.

PHYSICAL PROPERTIES

Colors	Grey
Solids by weight (mixture)	73 ± 2 %
Flash point	14°C ± 2 (Setaflash)
Gloss	Flat
Water resistance	Very good
Abrasion resistance	Excellent
Solvent resistance	Excellent
Chemical resistance	Very good (pH < 6)
Flexibility	Limited

APPLICATION DETAILS

Mixing ratio (weight)	Comp. A (Powder) : Comp. B (Liquid) = 1 : 1
Pot life (25°C)	7 hours (Reduced at higher temp.)
Thinner/Cleaner	Ethyl Silicate Thinner
Guiding data airless spray	
Pressure at nozzle	10 MPa (100 kp/cm ² 1400 psi)
Nozzle tip	0.46-0.69 mm (0.018-0.027")
Spray angle	40-80°
Filter	Check to ensure that filters are clean

DRYING TIME

Drying time are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

- Good ventilation (Outdoor exposure or free circulation of air)
- Typical film thickness
- One coat on top of inert substrate

Substrate temperature	10°C	23°C	40°C
Surface dry	30 m	15 m	13 m
Through dry	45 m	30 m	25 m
Cured	13 h	4 h	1,5 h
Dry to recoat, minimum	13 h	4 h	1,5 h
Dry to recoat, maximum ¹	-	-	-

¹ The surface should be free from chalking and contamination prior to application. If the maximum dry to recoat time is exceeded, please contact MAXIGUARD® Technical Department for advice.

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The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

SURFACE PREPARATION

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504.

Bare steel

Cleanliness: Blast cleaning to min. Sa 2½ (ISO 8501 1:1988). Roughness: using abrasives suitable to achieve Grade Medium G (50 - 85 µm, Ry5) (ISO 8503-2).

Other surfaces

The coating may be used on other substrates. Please contact **MAXIGUARD®** Technical Department.

APPLICATION CONDITIONS

The temperature of the substrate should be minimum 15°C and at least 3°C above the dew point of the air. The temperature and the relative humidity should be measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

RECOMMENDED SYSTEMS

1) MAXIGUARD®	MGP 801 ES	1 x 75 µm (D F T)
MAXIGUARD®	MGT 940 HB	1 x 100 µm (D F T)
2) MAXIGUARD®	MGP 801 ES	1 x 75 µm (D F T)
MAXIGUARD®	MGT 753 HB	1 x 100 µm (D F T)
3) MAXIGUARD®	MGP 801 ES	1 x 75 µm (D F T)
MAXIGUARD®	MGT 630 HB	2 x 40 µm (D F T)

STORAGE AND HANDLING

STORAGE	The product must be stored in accordance with national regulations. The product should be kept in a cool and well ventilated place, protected from heat and direct sunlight. Containers must be kept tightly closed.
HANDLING	Handle with care. Stir well before use.
PACK SIZE	5 Kg-set & 20 Kg-set

HEALTH AND SAFETY

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.



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DISCLAIMER

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.