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EUROLASTIC Primer ZM

Zinc dust-containing 2-component rust protection primer

PRODUCT DESCRIPTION	EUROLASTIC Primer ZM is a 2-component rust protection primer.
SCOPE	<ul style="list-style-type: none">- for indoor and outdoor use- on unprotected steel as a corrosion-protective primer- Bonding primer in conjunction with Eurolastic Primer S2 for all polysulfide sealants of the EUROLASTIC TC/TK and EUROTEx ranges
PRODUCT FEATURES	<ul style="list-style-type: none">- Excellent corrosion protection due to the high proportion of zinc dust pigment- very high-water resistance- fast drying <p>Primer and corrosion protection in the weathered edge area of Sealants</p> <ul style="list-style-type: none">- very good adhesion to steel and galvanized surfaces
COLORS	Grey
SUBSTRATE PREPARATION	<p>The surfaces to be treated must be dust-free, dry, smooth, free of loose and friable particles, and free of substances that could impair adhesion, such as oil, grease, paint residue, bitumen, tar, or similar materials. Substrate pretreatment by blasting is recommended.</p> <p>The use of solid abrasives or grinding is generally mandatory. For steel substrates, the standard cleanliness grades Sa 2 1/2 or St 3 according to EN ISO 12944-4 must be achieved.</p>
PROCESSING CONDITIONS	<p>Subsurface temperature: between +5°C and +35°C Ambient temperature: between +5°C and +40°C</p> <p>The dew point must be taken into account! (+3 °C above dew point)</p>
PROCESSING	<p><u>As a primer for joint sealants:</u></p> <p>EUROLASTIC Primer ZM is supplied with components A and B in the correct ratio. Stir component A thoroughly, then mix component A and component B thoroughly using a mixer. The mixing process must be continued until the mixture is homogeneous and free of streaks, but for at least 3 minutes. Then transfer to a second, clean container and mix again for approximately 1 minute. The temperature of the components should be between 15 °C and 25 °C.</p> <p>EUROLASTIC Primer ZM is applied to the prepared substrate by brushing or rolling. The drying time is at least 2 hours. After this time, a</p>

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Technical Data Sheet EUROLASTIC Primer ZM Version 3.3



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matte, rough, and dry surface must be present. Only then can EUROLASTIC Primer S2 be applied. After a further drying time of approximately 10 minutes for EUROLASTIC Primer S2, the sealant can be applied.

For complete curing, the material and substrate temperatures must not fall below the lower limit at any point or time during the curing phase.

As a rust-preventive primer for steel surfaces:

EUROLASTIC Primer ZM is supplied with components A and B in the correct ratio. Stir component A thoroughly, then mix component A and component B thoroughly using a mixer. The mixing process must be continued until the mixture is homogeneous and free of streaks, but for at least 3 minutes. Then transfer to a second, clean container and mix again for approximately 1 minute. The temperature of the components should be between 15 °C and 25 °C.

EUROLASTIC Primer ZM is applied to the prepared substrate by brushing, rolling, spraying, or airless spraying. The drying time is at least 2 hours. Afterward, a matte, rough, and dry surface must be achieved. Only then can EUROLASTIC Primer S2 be applied. After a drying time of approximately 10 minutes for EUROLASTIC Primer S2, the subsequent coating can be applied.

For complete curing, the material and substrate temperatures must not fall below the lower limit at any point or time during the curing phase.

Syringes:

High-pressure spraying (cup gun) with a 1.7 - 2.5 mm nozzle, 3 - 4 bar. Oil- and water-free compressed air.

Airless spraying:

Spray pressure of at least 180 bar, nozzles from 0.38 - 0.53 mm
Spray angle of 40-80°

CLEANING

The tools can be cleaned with EUROLASTIC Cleaner G when the material is fresh. Once the material has fully reacted, they can only be cleaned mechanically.

CONSUMPTION

As a primer for joint sealants:

for 15 mm wide adhesive surfaces:

approx. 3 ml/m or 100 ml/m²

The aforementioned consumption figures are guidelines. They can be significantly higher on very uneven surfaces and with varying temperatures and surface roughness.

As a rust-preventive primer for steel surfaces:

With a recommended TFD of 80µm, approximately 120 ml/m²

The TFD must not exceed 150µm.



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	<p>The aforementioned consumption figures are guidelines. They can be significantly higher on very uneven surfaces and with varying temperatures and surface roughness.</p>
PACKAGING	<p>EUROLASTIC Primer ZM is supplied in 0.8L and 5L containers.</p>
STORAGE AND SHELF LIFE	<p>Store in cool and dry conditions (+10°C to +25°C). Under these conditions, the shelf life in the unopened and undamaged original container is 12 months.</p>
EXAMS/ APPROVALS/STANDARDS	<p>DIN EN 14188-4 (part of the system testing of polysulfide-based Eurolastic TC 30 / TC 20 joint sealants)</p>
SPECIAL INSTRUCTIONS/PROTECTIVE MEASURES	<p>EUROLASTIC Primer ZM should only be applied in well-ventilated areas. Waste and containers must be disposed of safely. Avoid release to the environment.</p> <p>The instructions in the corresponding safety data sheet must be strictly observed.</p> <p>Avoid contact with eyes and skin. Wear impermeable protective gloves and safety goggles. Do not eat, smoke, or use open flames during processing. Do not inhale vapors! In confined spaces, wear a respirator with a filter for organic solvents. Completely empty containers can be returned to the KBS/Interseroh recycling system. For specific hazard information and safety advice, please refer to the safety data sheets.</p>
GISCODE	<p>Germany: Hazardous Substance Information System of the German Social Accident Insurance Institutions for the Construction Industry: GISCODE RE70</p>



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TECHNICAL DATA *

TECHNICAL SPECIFICATIONS	UNIT	VALUE
Material basis		epoxy resin
Number of components		2-component
Mixing ratio	Weight. - T.	94 : 6
Density at +23°C	g/cm ³	approximately 2.8
Solid volume at +20°C	%	55
Viscosity at +23°C	mPas	approx. 1800 - 3000
Ventilation time	h	at least 2
Object and processing temperature	°C	from +5 to +30
Maximum permissible relative humidity	%	85
Processing time at +20°C	h	approximately 0.5

*These figures are guidelines only. They are not intended for creating specifications.

The data were obtained at +23°C and 50% relative humidity. Higher temperatures and/or higher relative humidity may shorten or lengthen these times. All technical data, dimensions, and information in this datasheet are based on laboratory tests. Actual measured data may differ in practice.

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