

MARKPOX ZINC RICH

PRODUCT DATA SHEET

Epoxy resin-based, two-component primer, rich in micronized zinc powder, capable of operating at dry temperatures from 0-200°C, with low volatile organic compound (VOC) content, providing cathodic protection, and exhibiting high anti-corrosive properties. The zinc content in the dry paintfilm conforms to SSPC-Paint 20, Level 3, and ISO 12944 standards.

Type: high build zinc rich epoxy primer - Zinc content 85±1 w%

Usage: Suitable for application to C5-VH (very high > 25 YEARS) environments according to ISO 12944.

Physical Information:

Finish:	Matt
Colors:	Grey (mixed)
Volume Solids:	63% ± 2 (mixed)
VOC (mixed):	320 g/l
Density:	At 20 °C 2.4 ± 0.1 kg/l
Theoretical Coverage:	At a dry film thickness of 50 µm: 12.6 m ² /l
Heat Resistance:	200 °C (dry load)
Shelf life:	In original well shut packaging 12 months, stored inside at temperatures between 5 °C and 40 °C.
Potlife:	6 Hours 20 °C
Thinner:	Markaj epoxy Thinner
Mix Ratio:	10:1 by weight

Processing Data

	Airless spray	Brush-roller	Airspray
Thinner	-	-	-
Amount	5 vol.%	10 vol.%	10-20 vol.%
Nozzle	min. 0.021 inch	n.a	1.2-1.7 mm
Flow pressure	160 bar	n.a	3-5 bar
Dry film thickness	80 µm	80 µm	80 µm

Cleaning tools: Immediately after application using thinner - Markaj epoxy thinner.

Mixing Instructions: preferably using a mechanical mixing device. The temperature of the mixed product should at least be 10 °C during application.

Drying Times

	10 °C	20 °C
Touch:	45 mins	20 mins
Handle:	6 hours	3 hours
Recoat:	6 hours	3 hours

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TEST DATA

Accelareted Weathering	According to ISO 11507 / ASTM G154: Testresult: n.a.
Saltspray	According to ISO 9227-NSS / ASTM B 117: Testresult: 1440 hours
Pull off	According to ISO 4624 / ASTM D4541: Testresult: 4.2 MPa
Outdoor exposure	According to ISO 2810: Testresult: 1.5 years

Surface Preparation

Steel Roughness profile 10 – 25 µm

Untreated Steel The surface needs to be pretreated according ISO12944 part 4 § 6.2.3. Remove grease, oil, dirt etc. upon cleaning by sandblasting, phosphating or mechanical methods. Applicable on grit blasting to purity degree Sa 2½ in accordance with ISO 8501-1.

Application Conditions

The temperature of the substrate should be at least 3 °C above dew point. Keep application area well ventilated during application and drying, in order to reduce evaporated solvents. This is necessary to acquire good drying conditions and for the good of the applicators' health.

Enviroment and health

Harmful and irritating in contact with skin, eyes and by inhalation. In case of eye contact, immediately wash with large amounts of water and contact a medical expert. Do not eat, drink or smoke during application.

Maintenance

It is recommended to clean the surface regularly and to inspect the coats of paint for defects annually. Touch up any defects with the original paint system.

Packaging

15 kg cans.

Notes: All information provided in this technical bulletin may change from time to time as a result of experience, developments in raw materials, and research and development activities. For additional information, please contact your regional sales representative or MARKAJ directly (Istanbul).