

MARKAJ ZG73 PRIMER

PRODUCT DATA SHEET

Markaj ZG73 Primer – epoxy, zinc phosphate contained, very fast drying primer, based on anti-corrosion pigments. Easy to apply thick layer thickness but speed up process, excellent coverage of metal edges/corners and anti-corrosion properties. Used to cover surfaces blasted with sandblasting and has high adhesion. The ideal solution for the welding stage.

Type: Zinc Phosphate epoxy

Usage: General Industry, Steel Industry

Physical Information:

Finish:	Matte
Colors:	Grey, Red
Volume Solids:	55% ± 2 (varies depending on color)
VOC (mixed):	420 g/l
Density:	At 20 °C 1.38 ± 0.20 kg/l
Theoretical Coverage:	At a dry film thickness of 80 µm: 6,8 m ² /l
Heat Resistance:	150 °C (dry load)
Shelf life:	In original well shut packaging 12 months, stored inside at temperatures between 5 °C and 40 °C.
Potlife:	2 Hours 20 °C
Thinner:	Markaj epoxy Thinner

Mix Ratio: 4:1 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	50 µm	50 µm	50 µm

Cleaning tools: Immediately after application using thinner T-10.

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:	15 mins	10 mins
Handle:	1 hours	1 hours
Recoat:	2 hours	2 hours

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Surface Preparation

Steel Roughness profile 10 – 25 µm

Untreated Steel Grit blasting to purity degree Sa 2½ in accordance with ISO 8501-1. After blasting remove all dust from the entire surface with compressed air which is free of moisture and grease. Apply first coating layer within 6 hours. In case the final coating layer is applied on the construction site, extra precautions need to be taken.

Application Conditions

Application temperature should be in the range of 5°C to 40°C to get the perfect result. 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.

Environment 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

25 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).