

MARKAJ HIGHTHERM 600

Heat resistant anti corrosive zinc/micaceous iron oxide primer based on high quality silicon resins. resistance up to 600 °C;

Type: Heat Resistant coating

Usage: high solid anti corrosive coating for heat resistant,

Physical Information:

Glossy	matt
Colour:	Silver, Black
Volume solids:	50%
VOC (theoretical):	455 g/l
Density:	At 20 °C ± 1,8 kg/l
Theoretical coverage:	At a dry film thickness of 50 µm: 10 m ² /l
Heat resistance:	Up to 600 °C
Shelf life:	In original well shut packaging 12 months, stored inside at temperatures between 5 °C and 40 °C.
Potlife:	-
Thinner:	-
Mixture:	

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
Dust free	1 hour	30 min
Manageable	2 hours	1 hour
Recoatable	2,5 hours	40 min

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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. 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

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).