

MARKPOX 142 HS QD

PRODUCT DATA SHEET

A multi-purpose, surface-tolerant primer/topcoat with excellent adhesion and hardness properties. It adheres well to various types of old painted surfaces and can be used as a primer in all areas. In cases where cosmetic appearance is not crucial, it can also be used as a topcoat. Since it allows the application of all known topcoat paints over it, it is an ideal primer for ships (on-board primer). It can be applied to slightly rusty areas where proper surface preparation is not practical.

Type: Epoxy Mastic

Usage: Recommended for marine applications, refineries, offshore platforms, fabrication shops, chemical plants, tank exteriors, power plants, water treatment plants, and mining and minerals industry

Physical Information:

Finish:	Satin
Colors:	Standard colours (e.g. RAL)
Volume Solids:	82% ± 2 (varies depending on color)
VOC (mixed):	160 g/l
Density:	At 20 °C 1.39 ± 0.1 kg/l
Theoretical Coverage:	At a dry film thickness of 100 µm: 8,2 m ² /l
Heat Resistance:	120 °C (dry load) Aluminum 150 °C
Shelf life:	In original well shut packaging 12 months, stored inside at temperatures between 5 °C and 40 °C.
Potlife:	6-7 Hours 20 °C
Thinner:	Markaj epoxy Thinner
Mix Ratio:	5:1 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:	1 hour	20 mins
Handle:	2 hours	1 hour
Recoat:	4 hours	2 hours

MARKPOX 142 HS QD

PRODUCT DATA SHEET

TEST DATA

Accelareted Weathering	According to ISO 11507 / ASTM G154: Testresult: n.a.
Saltspray	According to ISO 9227-NSS / ASTM B 117: Testresult: 2000 hours
Pull off	According to ISO 4624 / ASTM D4541: Testresult: 10.1 MPa
Outdoor exposure	According to ISO 2810: Testresult: 2 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 ST2 prepared surfaces.

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.

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

24 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).