



RSI
INDUSTRIAL
PAINTS Inc.

HIGH BUILD MIO POLYAMIDE EPOXY INTERMEDIATE REP-203

PRODUCT DESCRIPTION

REP-203 is a two component polyamide cured epoxy coating. It is a micaceous iron oxide (MIO) pigmented, high solids, high build product. Designed as a mid coat in systems for new construction in atmospheric environments. Suitable in approved coating systems.

Typical use Recommended for offshore environments, refineries, power plants, bridges, buildings and mining equipment

PHYSICAL PROPERTIES

Color	Red, Gray
Gloss Level	matt
Volume Solid	65 ± 3%
Theoretical spreading rate	6.5 m ² /l 100 DFT
Flash point	25 °C
Specific gravity	1.6 ± 0.1 kg/l
V.O.C.	350 g/l
Shelf life	12 months (25°C) from time of production. Depending on storage condition, mechanical stirring may be necessary before usage. Storage environment should be ventilated and away from sunlight and high temperature (above 30 ° C).

MIXING

Mixing ratio (by weight)	Component A: 6	Component B: 1
Pot life	8 h at 25°C	

APPLICATION

Conditions	When the temperature is less than 10°C and more than 45°C, and the humidity is more than 85% the paint application should be avoided. The temperature should be above dew point to avoid condensation. The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.		
Method	Airless spray	Air spray	Brush (touch up): If brush or roller application is used, more coats will be necessary to achieve the specified dry film thickness
Thinner (max. vol.)	RTH-104 (5%)	RTH-104(15%)	RTH-104 (5%)
Tip size	0.021"-0.023"		
Tip pressure	150-175 bar		
Indicated film thickness, dry	100 – 150 μm		
Indicated film thickness, wet	155 – 230 μm		

DRYING AND CURING TIMES

Condition	Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.
Substrate temperature	23°C
Surface drying	1 hour
Deep drying	4 hours
Recoat interval, min	8 hours
Recoat interval, max	5 days
Complete drying	7 days

APPLICATION AND CURING CONDITIONS

Surface preparation

To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination.

Substrate	Surface preparation	
	Minimum	Recommended
Coated surfaces	Clean, dry and undamaged compatible coating.	Clean, dry and undamaged compatible coating.

REMARKS

Drying and curing time

Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.

Storage

The containers must be completely closed and kept in a dry, cool and well ventilated environment. Be careful not to have any heat source near the containers.

SAFETY

This product is intended for use of professional applicators. Applicators and operators shall use appropriate protection equipment when using this product. Use it in well ventilated environment and prevent direct contact with skin. Spillage on the skin should immediately be removed with suitable cleaner. Eye should be well flushed with water and medical cleaner.

RSI Co.

Product Datasheet REP-203
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