

TECHMASTIC 2180

Primer and Epoxy finish of two components, high thickness, high solids, low VOC, good mechanical resistance and quick drying. Excellent cost / benefit ratio per square meter, with fewer coats. Compatible with various types of finish allowing long repainting intervals with epoxy and polyurethane finishes. It is a multipurpose product, easy to apply in a single coat, simplifying painting.

RECOMMENDED USES

Indicated in the corrosion protection of metallic structures, industrial equipment, exterior of tanks, pipes, silos, metal bridges and machines in general. It provides better hygiene and safety conditions at work. It meets the modern technology of industrial painting, minimizing pollution of the environment. Used in metal structures, paper and cellulose, sugar and alcohol, chemical and petrochemical industries.

PRODUCT CHARACTERISTICS

Color:	Ral, Munsell and others on request.
Finish:	Satin
Weigh solids:	90 % \pm 3
Volume solids:	80 % \pm 2
VOC:	169 g/L
Density:	1,63 g/cm ³ (approximate value)
Flash point:	23 °C
Shelf life:	Part A: 24 months Part B: 06 months
Pot-Life (25 °C):	4 Hours

APPLICATIONS DATA

Spreading rate per coat:	Minimum	Maximum
	Wet – 125 μ m	250 μ m
	Dry – 100 μ m	200 μ m
Theoretical coverage:	8,00 m ² /L to 100 μ m 4,00 m ² /L to 200 μ m	
Reducer:	TechSolv 9400 – As needed up to 25% by volume.	
Packaging:	Part A: 3,60 L or 20,00 L Part B: 3,60 L or 20,00 L	
Applications methods:	Airless Spray, Conventional Spray, Brush and Roller	



TECHNICAL DATA SHEET

Mix Rate:	By mass	By Volume
Part A	100,00	1
Part B	120,00	1

DRYING TIME

Temperature	25° C
To touch	40 Minutes
To handle	2 Hours
To recoat	4 - 48 Hours
To cure	7 Days

If maximum recoat time is exceeded, abrade surface before recoating. Drying time is a temperature, humidity, and film thickness dependent.

APPLICATIONS CONDITIONS:

Relative humidity maximum to apply is 85%. Minimum temperature to apply and dry is 15 °C. Only apply if the surface is 3 °C above the dew point. Pot life is temperature dependent, therefore, keep the material avoiding direct sunlight.

DRY HEAT RESISTANCE

Continuous heat: 90 °C. Organic coating may suffer changes in color, gloss and adhesion when exposed to temperatures above 60 °C.

SURFACE PREPARATIONS

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1.

Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3. For better performance, use Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile. Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

APPLICATIONS METHOD

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Airless Spray:

Pressue.....	1800 - 2200 psi
Hose	1/4"
Tip	0,013" to 0,015"
Filter	Mesh 60



TECHNICAL DATA SHEET

Conventional Spray

Gun..... JGA 502/3 Devilbiss

Fluid Nozzle FX - FF

Atomization Pressure 50 psi

Fluid Pressure..... 10 to 20 psi

Brush

Brush.....Natural bristle.

Reduction.....As needed up to 15% by volume.

Roller

Cover:..... 3/8" woven with solvent resistant core.

Reduction..... As needed up to 15% by volume.

APPLICATIONS PROCEDURES

Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine 3 parts by volume of Part A with 1 part by volume of Part B. Thoroughly agitate the mixture with power agitation.

SAFETY PRECAUTIONS

Refer to the SDS sheet before use.

NOTE

The practical coverage is a dry thickness, applications method and surface profile dependent. Do not use a different thinner without the AnjoTech technical team approve. We do not assume any responsibility for material and personal damages caused by misuse of the information contained in this technical datasheet. Published technical data and instructions are subject to change without notice. Contact your AnjoTech representative for additional technical data and instructions.