

## TECHMASTIC 2179

Very fast curing primer and epoxy finish, low VOC, high thickness, high solids, with excellent retention properties on sharp edges, corners and corners. Contains non-toxic anti-corrosive pigments. It is a product of easy application, which can be applied in a single coat in high thickness, providing speed in the painting line.

### RECOMMENDED USES

Product developed to be used as a single coat system to provide anti-corrosion protection of structural steel exposed to the environment where aesthetic appearance is important, for example, in dry indoor areas or outdoor environments, from low to medium aggressiveness. It is particularly suitable for use as a versatile very fast drying primer / finish, developed to make production flexible in steel manufacturers. Suitable for painting metallic structures, pipes, various industrial equipment and machines in general. In aggressive environments the use of two coats is recommended.

### PRODUCT CHARACTERISTICS

<b>Color:</b>	Ral, Munsell and others on request
<b>Finish:</b>	Semi gloss
<b>Weight solids:</b>	90 % ± 3
<b>Volume solids:</b>	79 % ± 2
<b>VOC:</b>	159 g/L
<b>Density:</b>	1,59 g/cm <sup>3</sup> (approximate value)
<b>Flash point:</b>	23 °C
<b>Shelf life:</b>	Part A: 24 months Part B: 06 months
<b>Pot-Life (25 °C):</b>	4 Hours

### APPLICATIONS DATA

<b>Spreading rate per coat:</b>	<b>Minimum</b>	<b>Maximum</b>
	Wet – 127 µm	380 µm
<b>Theoretical coverage:</b>	Dry – 100 µm	300 µm
	7,90 m <sup>2</sup> /L to 100 µm	2,63 m <sup>2</sup> /L to 300 µm
<b>Reducer:</b>	TechSolv 9400 – As needed up to 25% by volume.	
<b>Packaging:</b>	Part A: 3,60 L or 20,00 L	
	Part B: 3,60 L or 20,00 L	
<b>Applications methods:</b>	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	30 Minutes
To handle	1,5 – 2 Hours
To recoat	2 – 72 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:

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

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## **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.