

## TECHMASTIC 2168

Primer and epoxy finish, cured with polyamide, high thickness and anti-corrosion pigmentation, quick drying, excellent adhesion to carbon steel and concrete (provided it is properly sealed). It is a multipurpose product, easy to apply, has excellent resistance to moisture and abrasion, and can be applied in a single coat in high thickness, simplifying the painting of machines and equipment.

### RECOMMENDED USES

Suitable for painting metal structures, exterior of tanks, pipes, silos, various industrial equipment, new or for maintenance in the paper and cellulose, sugar and alcohol, chemical and petrochemical industry, metal bridges and machinery in general that are exposed in environments low to medium aggressiveness. Painting of metallic or concrete industrial floor where good asepsis is required, and environments considered to be of light traffic. In aggressive environments the use of two coats is recommended.

### PRODUCT CHARACTERISTICS

<b>Color:</b>	White, black and others on request
<b>Finish:</b>	Bright
<b>Weigh solids:</b>	82 % $\pm$ 3
<b>Volume solids:</b>	68 % $\pm$ 2
<b>VOC:</b>	257 g/L
<b>Density:</b>	1,43 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 – 110 $\mu$ m	180 $\mu$ m
	Dry – 75 $\mu$ m	120 $\mu$ m
<b>Theoretical coverage:</b>	9,06 m <sup>2</sup> /L to 75 $\mu$ m 5,67 m <sup>2</sup> /L to 120 $\mu$ m	
<b>Reducer:</b>	TechSolv 9400 – As needed up to 25% by volume.	
<b>Packaging:</b>	Part A: 2,88 L or 16,00 L Part B: 0,72 L or 4,00 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	4
Part B	16,00	1

## DRYING TIME

Temperature	25° C
To touch	2 Hours
To handle	8 Hours
To recoat	12 – 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.