

## TECHMASTIC 2170 N

Primer and finishing epoxy paint, cured with polyamine, pigmented with aluminum and non-toxic anticorrosive pigments. Compatible with different substrates and can be applied in a single coat of high thickness, by brush or spray, on surfaces prepared with mechanical cleaning. It tolerates “flash rust” on dry surfaces prepared by a wet abrasive jet or hydrojet. It can be repainted with different types of finishes.

Meets Petrobras N 2288 standard.

### RECOMMENDED USES

For the protection of steel without scale lamination, when surface preparation is restricted to methods that leave residual oxidation. Particularly useful for protecting prepared areas with a wet abrasive jet, but with a dry surface. Repair and conversion of conventional schemes to high performance systems, without the need to remove the existing aged paint, as long as it is firmly adhered and intact. Easy and efficient maintenance of epoxy paints and other high performance systems. Suitable for painting metallic structures, pipes, various industrial equipment and machines in general.

### PRODUCT CHARACTERISTICS

<b>Color:</b>	White, black and others on request
<b>Finish:</b>	Metallic
<b>Weigh solids:</b>	86 % ± 3
<b>Volume solids:</b>	72 % ± 2
<b>VOC:</b>	217 g/L
<b>Density:</b>	1,55 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 – 167 µm	180 µm
<b>Theoretical coverage:</b>	Dry – 120 µm	130 µm
	6,00 m <sup>2</sup> /L to 120 µm	5,54 m <sup>2</sup> /L to 130 µm
<b>Reducer:</b>	TechSolv 9400 – As needed up to 25% by volume.	
<b>Packaging:</b>	Part A: 3,6 L or 20,00 L	
	Part B: 3,6 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	103,00	1

## DRYING TIME

Temperature	25° C
To touch	4 Hours
To handle	12 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"



# TECHNICAL DATA SHEET

**Tip** ..... 0,013” to 0,015“  
**Filter** ..... Mesh 60

## 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.