# TECHNICAL DATA SHEET

# TECHMASTIC 2172 AWWA

Two-component polyamide epoxy primer and finish, free from coal tar, free from toxic pigments, high solids and low VOC, specially developed to provide long-lasting protection in a single application. It has been specially developed for contact with drinking water. It meets the modern technology of industrial painting, minimizing pollution of the environment. No need for primer. This product is "Edge retentive", that is, high retention at the edges. Meets AWWA C-210-03- Certified according to the resolution - Free of tar, SABESP NTS 036 and Ordinance No. 2914 of December 2011 from the Ministry of Health - Free of heavy metals

## RECOMMENDED USES

Used to paint the internal part of water pipes, valves, hydrants and other equipment, materials and parts immersed in water. Its best performance is obtained on blasted carbon steel surfaces. Used outside and inside pipes and water storage tanks, and can be applied in high thicknesses in a single coat.

## PRODUCT CHARACTERISTICS

**Color:** Branco, preto e outras sob consulta

**Finish:** Matte

**Weigh solids:** 90% ± 3

**Volume solids:** 72 % ± 2

**VOC:** 173 g/L

**Density:** 1,73 g/cm³ (approximate value)

**Flash point:** 23 °C

**Shelf life:** Part A: 24 months
Part B: 06 months

**Pot-Life (25 ºC):** 4 Hours

## APPLICATIONS DATA

| **Spreading rate per coat:** | | **Minimum** | **Maximum** |
|---|---|---|---|
| | Wet – | 208 µm | 694 µm |
| | Dry – | 150 µm | 500 µm |

**Theorical coverage:**
4,80 m²/L to 150 µm
1,44 m²/L to 500 µm

**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

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| Mix Rate: | By mass | By Volume |
|---|---|---|
| **Part A** | 100,00 | 1 |
| **Part B** | 107,40 | 1 |

## DRYING TIME

| | |
|---|---|
| **Temperature** | 25° C |
| **To touch** | 2 Hours |
| **To handle** | 8 Hours |
| **To recoat** | 8 - 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 ºC.

## 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

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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 pratical coverage is a dry thickness, applications method and surface profile dependent. Do not use a different thinner without the AnjoTech tecnical team aprove. We do not assume any responsability 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.