TECHNICAL DATA SHEET

TECHMASTIC 2177 WT

Primer and finish (Dual Function) high-component, two-component polyamide epoxy, specially formulated for contact with drinking water at room temperature. Meets Resolution RDC No. 105 of ANVISA / MS. It is a product with excellent adhesion to carbon steel and concrete (provided it is properly sealed). Product with easy application, excellent water resistance and applicable in layers of 250 to 300 micrometers total.

RECOMMENDED USES

Recommended as a coating for internal painting of storage tanks or fresh water transport (potable and non-potable). In the protection of metal structures, pipes, parts, machines and industrial equipment in general. Not recommended for exposure to solvents, strong acid solutions and other immersion services. For use in New Works, Maintenance and / or Repairs.

PRODUCT CHARACTERISTICS

Color: White, black and others on request

Finish: Matte

Weigh solids: 88 % ± 3

Volume solids: 77 % ± 2

VOC: 194 g/L

Density: 1,62 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 –	162 µm	195 µm
Dry –	125 µm	150 µm

Theorical coverage:

6,16 m²/L to 125 µm
5,13 m²/L to 150 µm

Reducer: TechSolv 9400 – As needed up to 25% by volume.

Packaging: Part A: 3,6 L or 20,00 L
Part B: 3,6 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	97,00	1

DRYING TIME

Temperature	25° C
To touch	1 Hour
To handle	6 – 8 Hours
To recoat	8 – 72 Hours
To cure	10 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.