



TECHNICAL DATA SHEET

TECHMASTIC 2185 HTS / TAR FREE

Two-component modified epoxy primer and finish, free from coal tar, high solids and low VOC, specially developed to provide long-lasting protection. It is used on surfaces treated with hydrojetting, as well as on damp (not wet) surfaces and in conditions of maximum relative humidity of 95%. No need for primer. This product is “Edge retentive”, that is, high retention at the edges. Meets AWWA C-210-03. According to the resolution - Tar-free. ANVISA Resolution 105/99 - Free of heavy metals.

RECOMMENDED USES

Used in the maintenance of carbon steel surfaces in equipment located in an industrial or marine environment (off-shore), where surface preparation by dry abrasive blasting is impractical. Offers continuous curing even in extreme humidity conditions, including in areas subject to tidal variation. It can be applied on slightly damp reoxidized surfaces. It is also recommended for other corrosive environments, which include paper and cellulose units, chemical facilities, dams and gates. Equipment that is subject to tide acceleration zones (splash zone), water tanks, decks, hatch covers and accessories in general. In aggressive environments the use of two coats is recommended.

PRODUCT CHARACTERISTICS

Color:	White, black and others on request
Finish:	Bright
Weigh solids:	93 % ± 3
Volume solids:	85 % ± 2
VOC:	97 g/L
Density:	1,38 g/cm ³ (approximate value)
Flash point:	23 °C
Shelf life:	Part A: 24 months Part B: 06 months
Pot-Life (25 °C):	4 Hours

APPLICATIONS DATA

Spreading rate per coat:	Minimum	Maximum
	Wet – 300 µm	600 µm
	Dry – 250 µm	500 µm
Theoretical coverage:	3,40 m ² /L to 250 µm 1,70 m ² /L to 500 µm	
Reducer:	TechSolv 9400 – As needed up to 25% by volume.	
Packaging:	Part A: 2,7 L Part B: 0,9 L	
Applications methods:	Airless Spray, Conventional Spray, Brush and Roller	



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Mix Rate:	By mass	By Volume
Part A	100,00	3
Part B	21,00	1

DRYING TIME

Temperature	25° C
To touch	4 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 °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

Hose1/4"

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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.