

Technical Data Sheet

TAFF[®]-523

Product Description

An excellent anti-corrosion liquid phenolic primer for internal coating. When being used with powder topcoat material from TAFF[®] series, the finish coating will have both excellent anti-corrosion ability as well as mechanical performance.

Recommended Use

TAFF[®]-523 is designed to be used in high temperature and high pressure down hole and transportation condition which contains H₂S and CO₂. The material with topcoat FBE can be used in various kinds of slurry systems, water injection system and oil pipe, and effectively prevents pitting corrosion with its excellent anti-corrosion ability.

Material Properties

	Test Result	Test Method
Color	Red	
Solid by weight (%)	27±2	ASTM D1475
Flash point tag closed cup	18±2°C	ASTM D 56-05
Shelf life at 73°F (23°C)	12 months	
Theoretical coverage	11m ² /ltr at 25.4um	
Density	0.97-1.0	ASTM D 1475

Special Notice

Recommended applied dry film thickness shall be 15~25um. Coating thickness exceeding this limit may lead to decrease of adhesion.

Surface Preparation

1. The surface to be coated shall be dry, clean and with no contamination. Heat cleaning can be adopted when necessary to remove the oxide skin, oil and grease.
 2. Sand blasted till Sa2 1/2 (ISO 8501-1:2007/SSPC-S10) . Surface profile shall be between 35-70um.
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Application Condition

1. Recommended application environment temperature shall be between 5~40°C, otherwise coating shall be re-evaluated to ensure the performance of the coating.
 2. Recommended application environment relative humidity shall be less than 85%, otherwise application shall not proceed until measures are taken to reduce the relative humidity.
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Application Method

1. The primer is recommended to be applied with high speed rotary cup spraying system;
 2. Wet film thickness shall be determined visually when coating covers the surface profile.
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Application Parameter

1. Primer shall be cured under 180°C~220°C for 45 min to 60 min after application;
 2. Top coat powder shall be cured according to specific requirement of TAFF® material.
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Storage Condition

Shall be stored in dry, shady and cool, draughty condition away from heat and wet. The packaging container shall be kept sealed.

Handling

Handle with care. Shall be evenly stirred as instructed on packing before use.

Packing

20 liter tin bucket

Packing can be different in different countries according to local requirement.

Health and Safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid Skin contact, spillage on the skin should immediately be removed with a suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Date of Issue

July 2nd ,2020