

# Nap-Gard®

FBE Internal Pipe Powder Coatings



### 7-0014

Primarily intended for corrosion protection of pipes, valves, and fittings transporting potable water (NSF/ANSI 61 approved), wastewater, and seawater. Also, recommended for light-duty oil and gas service environments up to  $105^{\circ}$ C (220°F).

### 7-0015

Recommended for water, seawater, and  $CO_2$  injection pipelines or mild (low concentrations of  $H_2S$ ) oil and gas production environments and handling systems operating at up to  $105^{\circ}C$  ( $220^{\circ}F$ ).

### 7-0016

Anti-corrosion coating system formulated to withstand most oil and gas applications up to 150°C (300°F). Highly recommended for casing, tubing, handling systems, pipelines, and custom fittings in sweet and sour service environments.

### 7-0017HT

Designed to protect production tubing, handling systems, pipelines, and drilling tubulars in extreme CO<sub>2</sub> and H<sub>2</sub>S environments at operating temperatures of 180°C (355°F).

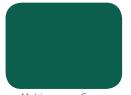
### 7-0017VHT

Engineered for the most severe oil and gas applications such as tubing, handling systems, pipelines, and drilling tubulars in high pressure service with extreme concentrations of  $H_2S$  and  $CO_2$  operating at temperatures up to  $205^{\circ}C$  ( $400^{\circ}F$ ).

<sup>\*</sup>Maximum operating temperature and pressure is dependent upon the environment. Please contact your Nap-Gard representative for an evaluation of your application.

### **Nap-Gard® Internal Pipe Coatings**

Nap-Gard® Internal pipe coatings are thermosetting epoxy powders formulated to provide corrosion protection to drill pipe, production tubing and valves and fittings in the most extreme down hole environments.









HT Black Beauty 7-0017HT , 7-0017VHT



## Multipurpose Green 7-0014

### Internal Pipe Coating 7-0015

### Internal Pipe Coating 7-0016

### **Benefits:**

- Extreme corrosion protection, even in intense temperatures
- » Exceptional chemical resistance
- $\boldsymbol{\mathsf{w}}$  High adhesion before and after exposure to  $\mathsf{H}_2\mathsf{S},\mathsf{CO}_2$  and  $\mathsf{CH}_4$
- » Environmentally responsible
- » Decrease line maintenance
- Perfect for use in the most demanding down hole environments

### **Targeted applications:**

- » Line pipe
- » Municipal water/wastewater systems
- » Production and injection tubing
- » Casing
- » Valves and fittings
- » Pipe spools
- » Handling Systems

	Product	7-0014	7-0015	7-0016	7-0017HT	7-0017VHT
AUTOCLAVE TESTING	Color	Blue Green	Tan	Green	Black	Black
	Tg	113 ± 3°C (235± 5°F)	110 ± 3°C (230 ± 5°F)	>160°C (320°F)	>180°C (356°F)	>200°C (392°F)
	Standard	API 5L7	Saudi Aramco 09-SAMSS-091 (2011)		JO WAFRA Test Condition 5	JO WAFRA Test Condition 4
	Gas Phase	0.5% H <sub>2</sub> S, 5% CO <sub>2</sub> , 94.5% CH <sub>4</sub>	3% H <sub>2</sub> S, 3% CO <sub>2</sub> , 94% CH <sub>4</sub>	5% H <sub>2</sub> S, 3% CO <sub>2</sub> , 92% CH <sub>4</sub>	25% H <sub>2</sub> S, 20% CO <sub>2</sub> , 55% CH <sub>4</sub>	20% H <sub>2</sub> S, 15% CO <sub>2</sub> , 65% CH <sub>4</sub>
	Aqueous Phase	5% (wt) NaCl	Simulated Brine Water	Formation Brine Water (09-SAMSS-91)	Simulated Brine Water	Simulated Brine Water
	Hydorcarbon Phase				50% Kerosene, 50% Toluene	50% Kerosene, 50% Toluene
	Temperature	93°C (200°F)	95°C (203°F)	149°C (300°F)	180°C (356°F)	204°C (400°F)
	Pressure	2000 psig	3000 psig	3000 psig	1000 psig	740 psig
	Duration	16 hrs	24 hrs	96 hrs	96 hrs	96 hrs

Autoclave Testing Temperatures up to 205°C (400°F)

Axalta Coating Systems is a leading global company focused 100% on coatings. Our goal is to provide customers with innovative, colorful, beautiful and sustainable solutions. On every surface they touch, our coatings are designed to prevent corrosion, increase productivity and enable the materials we coat to last longer.



www. axalta.us/powder 1.800.247.3886

