

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°C (220°F).

7-0015

Recommended for water, seawater, and CO₂ injection pipelines or mild (low concentrations of H₂S) oil and gas production environments and handling systems operating at up to 105°C (220°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 CO₂ and H₂S 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 H₂S and CO₂ operating at temperatures up to 205°C (400°F).

*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.



Multipurpose Green
7-0014



Internal Pipe Coating
7-0015



Internal Pipe Coating
7-0016



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



Benefits:

- » Extreme corrosion protection, even in intense temperatures
- » Exceptional chemical resistance
- » High adhesion before and after exposure to H₂S, CO₂ and CH₄
- » 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
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 ₂ S, 5% CO ₂ , 94.5% CH ₄	3% H ₂ S, 3% CO ₂ , 94% CH ₄	5% H ₂ S, 3% CO ₂ , 92% CH ₄	25% H ₂ S, 20% CO ₂ , 55% CH ₄	20% H ₂ S, 15% CO ₂ , 65% CH ₄
Aqueous Phase	5% (wt) NaCl	Simulated Brine Water	Formation Brine Water (09-SAMSS-91)	Simulated Brine Water	Simulated Brine Water
Hydrocarbon 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
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