

Arrogate Defender™

Introducing Black Diamond's Arrogate Defender – a revolutionary metallic-based, moisture-cured polyurethane corrosion inhibiting top-coat engineered for downhole tubulars. This liquid coating stands as an impenetrable shield, designed to seal out air, moisture, and chemicals, providing robust protection against corrosion, weathering, and physical wear. Unlike traditional rust converters, Arrogate Defender goes beyond by penetrating and coating existing rust, creating a formidable defense against further expansion.



Features and Benefits

- **Minimal Surface Preparation:** Perfect for minimally prepared surfaces – No sandblasting required.
- **Direct Application:** Can be applied directly over rusted surfaces after removing loose material.
- **Moisture Protective Membrane:** Forms a protective barrier against moisture penetration, contaminants, acid splash, or pooling.
- **Chemical Resistance:** Engineered to withstand acids, salts, and caustics without any loss of strength – submersible in 100% nitric acid with no adverse effects.
- **Quick Cure Cycle:** Begins its cure cycle within an hour, penetrating and swelling to seal surface pores effectively.
- **Extreme Toughness:** Exhibits exceptional toughness, UV resistance, and remains unaffected by hostile environments.
- **Exceeds Marine Specifications:** Goes beyond industry standards, ensuring unmatched performance.
- **Extended Drillpipe Life Cycle:** Arrogate Defender significantly extends the life cycle of your drillpipe, shielding it against corrosion and wear, ensuring prolonged service life.
- **Cost Savings:** Benefit from substantial cost savings with reduced replacement frequency, minimizing downtime, and maximizing operational efficiency.
- **Enhanced Performance:** The advanced protective coating enhances the overall performance of downhole tubulars, optimizing their functionality in demanding drilling conditions.
- **Universal Application:** Arrogate Defender is not limited to drillpipe; it can be applied to all downhole tools, providing comprehensive protection across your entire equipment inventory.

Arrogate Defender Specifications		
Chemical Type	Moisture-cure Polyurethane	
Cure Time	30-60 minutes tack free @ 70 °F	
Solids	62.2% by weight 51.4 % by volume	
Net Weight	9.4 lbs per gallon	
VOC ¹ Level	400 grams per liter	
Max. Temperature (after curing)	325 °F	
Single Coat Film Thickness (Dry)	Non- Rusty	3 mils (75 microns)
	Rusty	4 mils (100 microns)

¹Volatile Organic Compound



Experience the next level of corrosion protection with Black Diamond's Arrogate Defender, a cutting-edge solution that guarantees longevity and resilience in the most demanding downhole environments.



LOCATIONS



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