3M™ Scotchkote™ 626
High Operating Temperature Coatings

We've Got You Covered

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3M has introduced a new Fusion Bonded Epoxy (FBE) technology 3M™ Scotchkote Coating 626-120 and Scotchkote Coating 626-140. The new products offer solutions to address new challenges and needs for high-temperature pipeline coatings in the oil and gas industry. These Scotchkote coatings protect oil and gas pipelines against corrosion while they operate at high temperatures. Scotchkote coating 626-120 can operate up to 115 degrees Celsius as a stand alone and up to 130 degrees Celsius when used in a three-layer system. Scotchkote coating 626-140 can withstand temperatures up to 135 degrees Celsius as a stand alone and up to 150 degrees Celsius as part of a three-layer system.*

*Operating temperatures of three layer coatings depends on the performance capabilities of the PE or PP system.

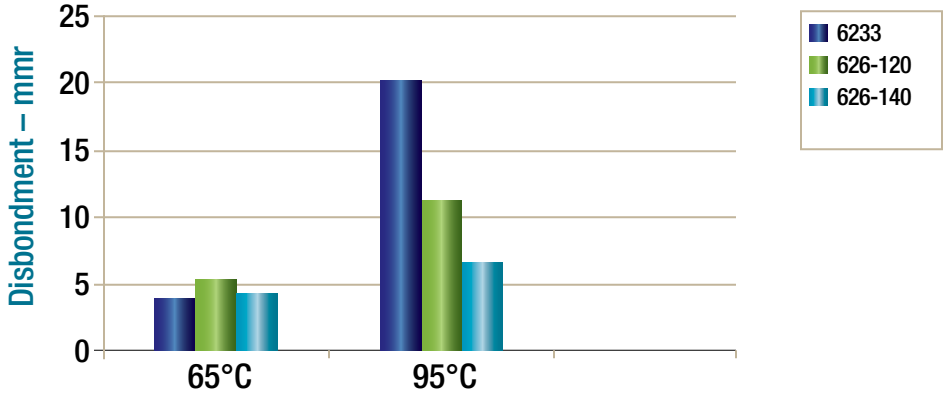
Reliable high operating temperature coating systems

Reliability and peace of mind

3M™ Scotchkote™ 626-120 and 626-140 products are a one-part, heat curable thermosetting epoxy powder designed as a stand alone or as the corrosion coating for a dual layer FBE and multilayer polyolefin system for the corrosion protection of pipe. These new FBE coatings have excellent thermal properties that protect natural gas and crude oil pipes against corrosion. 3M high-performance coatings offer a more reliable pipeline system, overcoming the challenges that energy companies face when hot pipelines cause coatings degradation leaving pipes vulnerable to corrosion.

Features	Advantages	Benefits
High operating temperature performance	Long term performance under a range of service temperatures	Low maintenance cost
Resistant to cathodic disbondment	More reliable coating system	Peace of mind
Excellent adhesion to metal	Better performance	Resistance to soil stress
Compatible with 3 layer high temp polypropylene systems	More versatile	Cost savings

Cathodic Disbondment



Note: Tested at 15 mils nominal thickness, 28-day, 1.5 volt, 3% NaCl 65°C/149°F

Test Data

Property	Test Description	626-120	626-140
Cathodic Disbondment	CAN/CSA-Z245.20-12.8	Disbondment mm/r	Disbondment mm/ r
	24 Hr., 3.5 volt, 3% NaCl 65°C/149°F	1.64 [1,2]	1.79[1,2]
	28 Day., 1.5 volt, 3% NaCl 65°C/149°F	5.32 [1,2]	4.32[1,2]
	14 Day., 1.5 volt, 3% NaCl 95°C/203°F	5.07 [1,2]	4.39[1,2]
	28 Day., 1.5 volt, 3% NaCl 95°C/203°F	11.16 [1,2]	6.6[1,2]
Cross Section Porosity	CAN/CSA-Z245.20- 12.10	3 [1]	4 [1]
Flexibility	CAN/CSA-Z245.20- 12.11		
	2.0°/PD @ -30 DegC/- 22°F	No Cracking	No Cracking
Impact	Mod. G14 1.5j	Pass	Pass
Strained Coating Cathodic Disbondment	CAN/CSA-Z245.20- 12.13	No Cracking	No Cracking
	2.5 degrees strain / 28 Day., 1.5 volt, 3% NaCl 149°F/65°C		
Adhesion	CAN/CSA-Z245.20- 12.14	Rating	Rating
	24 hr (75°C/167°F)	1 [1,2]	1 [1,2]
	21 day (75°C/167°F)	3 [1,2]	3 [1,2]
	14 day (95°C/203°F)	3 [1,2]	3 [1,2]
	28 day (75°C/167°F)	3 [1,2]	3 [1,2]

[1] Average of three tests

[2] The typical values in this data sheet are based on lab prepared samples. Values shown are not to be interpreted as product specifications.

Note: Product specifications and descriptions in this document are subject to change.

Important Notice

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