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PROTECTIVE COATINGS



# Pipe Coating 6E3500

The solvent free internal flowcoat



# We don't follow industry standards – we set them

Designed specifically for Flowcoat applications and powered by cutting-edge technology, Pipe Coating 6E3500 establishes a new benchmark for sustainability, environment and cost-efficiency.

- Lower CO<sub>2</sub> emissions due to reduced VOC content
- Safer for workers – free of phenol
- Greater coverage per gallon



### Product characteristics:

- Solvent-Free (VdL-directive 04 compliant)**

**VOC content:** 0.134 lb/gal mixture – significantly reducing carbon footprint

Up to **90% VOC reduction** compared to conventional flowcoats
- High productivity with 98% solid content**

**Conventional flowcoats at 3 mils DFT:** typically 107.64 ft<sup>2</sup>/gal

**Theoretical spreading rate at 3 mils DFT:** 129.17 ft<sup>2</sup>/gal
- Phenol-free**

Improves occupational health and safety

Aligns with upcoming EU regulations
- Additional features:**

High abrasion resistance

No need to preheat spray equipment

Product comparison:	Conventional Flowcoat	BERGOLIN Pipe Coating 6E3500
Theoretical spreading rate with 3 mils DFT	107.64 ft <sup>2</sup> /gal	129.17 ft <sup>2</sup> /gal
VOC	1.294 lb/gal	0.134 lb/gal
Solid Content by Volume	82%	98%
Abrasion (abrasion coefficient according to API RP 5L2)	>23	>115

### Technical specifications:

High abrasion resistance (according to API RP 5L2):	Falling sand test value >115
Flowcoat Surface Roughness (Rz) at 3 mils DFT:	<19.7 µin
Gas resistance:	Withstands H <sub>2</sub> , N <sub>2</sub> and CO <sub>2</sub>
Thermal resistance:	Endures 482°F for 4 hours with no significant change in Rz (only discoloration)
Repair solution available:	In cartridges
Compliance:	API RP 5L2, DIN EN ISO 15741, DIN EN 10301

# Nord Stream case study

If the Nord Stream 1 & 2 pipeline project had used Bergolin Pipe Coating 6E3500 instead of a conventional flowcoat, VOC emissions could have been reduced by 136.68 tons, with 38,526 gallons less coating required. This would have significantly lowered the environmental impact and improved cost efficiency.



Project data:	Conventional Flowcoat	BERGOLIN Pipe Coating 6E3500
39.4 ft Length of 1 pipe		
5 ft Pipe diameter:		
144.3 ft <sup>2</sup> Coating coverage per pipe (~3 mils DFT)		
199,775 Pipes used		

Results:	Conventional Flowcoat	BERGOLIN Pipe Coating 6E3500
Spreading Rate [ft <sup>2</sup> /gal at 3 mils DFT]	107.64	129.17
Coating needed per Pipe [gal]	1.16	0.97
VOC of Coating [lb/gal]	1.29	0.13
VOC per pipe [lb]	1.5	0.13
VOC of the project [tons]	149.91	13.23

Total potential benefits:	38,526 gal coating savings	136.68 tons VOC emissions savings
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