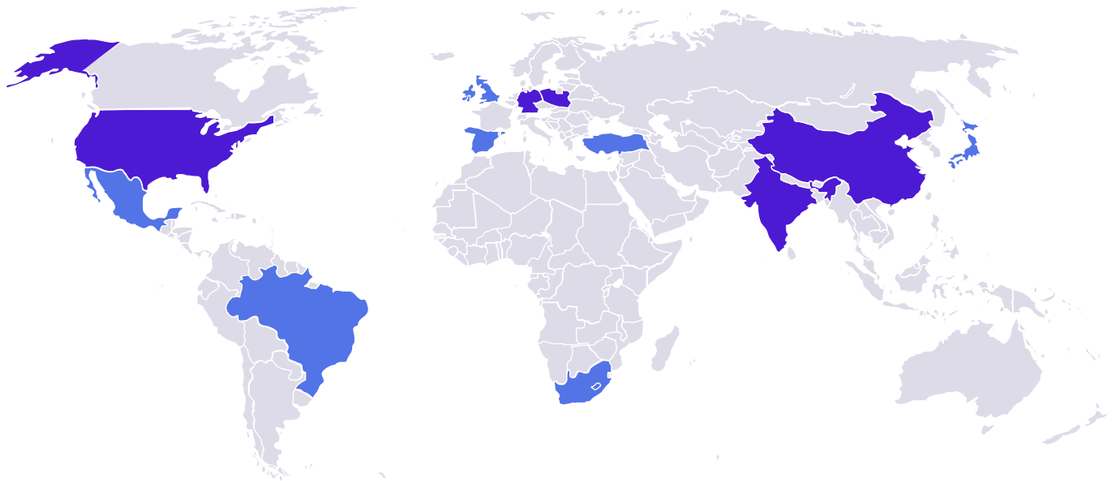
PROTECTING YOUR PERFORMANCE



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BERGOLIN

BERGOLIN



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Pipe Coating 6E3500

The solvent free internal flowcoat

PROTECTING YOUR PERFORMANCE

We don’t follow industry standards – we set them

Lower CO_2 emissions due to reduced VOC content

Safer for workers – free of phenol

Greater coverage per liter

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



Product characteristics:

Solvent-Free (VdL-directive 04 compliant)

VOC content: 16 g/l in mixture – significantly reducing carbon footprint

Up to **90% VOC reduction** compared to conventional flowcoats

High productivity with 98.8% solid content

Conventional flowcoats at 80 µm DFT: typically 10 m² / l

Theoretical spreading rate at 80 µm DFT: 12 m² / l

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 80 µm DFT	10 m² / l	**12 m² / l**
Solid Content by Volume	82%	**98%**
VOC	155 g / l	**16 g / l**
Abrasion (Abrasion coefficient)	>23	**>115**

Technical specifications:

High abrasion resistance:	Falling sand test value >115
Flowcoat Surface Roughness (Rz) at 80 µm DFT:	<0.5 µm
Gas resistance:	Withstands H_2, N_2 and CO_2
Thermal resistance:	Endures 250°C 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 **124 tons**, with **145,836 liters less coating required**. This would have significantly lowered the environmental impact and improved cost efficiency.



Project data:

12 m
Length of 1 pipe

1.53 m
Pipe diameter

44 m²
Coating coverage per pipe (~80 µm DFT)

199,775
Pipes used

Results:	Conventional Flowcoat	BERGOLIN Pipe Coating 6E3500
Spreading Rate [m²/l at 80 µm DFT]	10	12
Coating needed per Pipe [l]	4.4	3.67
VOC of Coating [g/l]	155	16
VOC per pipe [g]	682	59
VOC of the project [t]	136	12

Total potential benefits:

145,836 liters
coating savings

124 tons
VOC emissions savings