

TECHNICAL DATA SHEET

Unibloc NC

Curable Corrosion Protection for Steel Wire Ropes



Unibloc NC provides corrosion and physical protection for steel wire rope systems, designed for high environmental exposure conditions in combination with physical stresses. Unibloc NC provides long term corrosion protection and completely fill the interstices of steel wire ropes (mono-stands) preventing the ingress of moisture/water along the length of the rope.

Properties*	Typical Value	Test Method
Appearance	Cloudy	Visual
Appearance (After Processing)	Transparent	Visual
Density, 25°C (g/ml)	0.88	ASTM D1475
Flash Point (°C)	≥220	ASTM D92 / ISO 2592
Curing Temperature (°C)	≥65	Unigel
Viscosity, 20 1/s, 25°C (Pa.s)	26	UNIGEL CR Ramp 0-100 1/s
Oil Separation, 80°C, 24 Hours (Wt %) (After Processing)	Zero	FTM 791-321 (M)
Volatile Loss, 80°C, 24 Hours (Wt %) (After Processing)	≤1.0	FTM 791-321 (M)
Oxidative Induction Time, 190°C (min)	≥30	ASTM D3895
Corrosion Test, 1000 Hours, (Rust Grade) (After Processing)	≥7	ASTM B117 / ASTM D610
Content of Aggressive Elements		
Cl ⁻ , S ²⁻ , NO ₃ ⁻	≤10 ppm (0.001%)	ASTM D3867
SO ₄ ²⁻	≤10 ppm (0.001%)	APHA 4500-S-E
Soak test, 720 hours, 60°C	Pass	ASTM B117 (M)

*Properties quoted are before processing unless otherwise stated

Packaging Type	Net Weight (Kg)	Supply Options
25 Litre Keg	20kg	Single Journey
210 Litre Drum (liners available)	175kg	Single Journey

Compatibility

Unibloc NC is compatible with most polymers and steel. However it is recommended that compatibility tests are made with all materials likely to come into contact with Unibloc NC

Processing

Processing requires special consideration due to the curing nature of the product, please consult Unigel specialists on the nature and requirements of your application

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