

TECHNICAL DATA SHEET



128F-1 AS01

Corrosion Protection for Post Tensioning

Corrosion protection for PT systems, designed for the pre-stressing of structures, filling ducts, external tendons and as a filling material for mono-strands. 128F-1 Series complies with industry standards to provide long term corrosion protection and completely fill the interstices of steel wire ropes (mono-strands) preventing the ingress of moisture/water along the insulated wire rope in the event of sheath or joint failure.

Properties	Typical Value	Test Method
Appearance	Amber	Visual
Density, 25°C (g/ml)	0.86	ASTM D1475
Flash Point – Base oil (°C)	≥220	ASTM D92 / ISO 2592
Dropping Point (°C)	≥190	ASTM D566
Cone Penetration, 25°C (dmm)	≥280	ASTM D217 (M) / ISO 2137
Viscosity, 20 1/s, 25°C (Pa.s)	135 ± 15	UNIGEL CR Ramp 0-100 1/s
Oil Separation, 40°C, 24 Hours (Wt %)	Zero	DIN 51 817
Volatile Loss, 40°C, 7 Days (Wt %)	Zero	DIN 51 817
Oil Separation, 80°C, 24 Hours (Wt %)	Zero	FTM 791-321 (M) / DIN 51817
Volatile Loss, 80°C, 24 Hours (Wt %)	≤1.0	FTM 791-321 (M)
Oxidative Induction Time, 190°C (min)	≥30	ASTM D3895
Corrosion Protection 168 Hours, 35°C		
Salt Spray, 168 Hours, 35°C	Pass	NFX41-002
Distilled Water Spray, 168 Hours, 35°C	No Corrosion	NFX41-002
Corrosion Test (EMCOR)	Grade 0,0	DIN 51802 -SKF
Content of Aggressive Elements		
Cl ⁻ , S ²⁻ , NO ₃ ⁻	≤50 ppm (0.005%)	NFM 07-023
SO ₄ ²⁻	≤100 ppm (0.010%)	NFM 07-023

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

Compatibility

128F-1 Series is compatible with most polymers and steel. Tests on typical jacketing polymers such as PE may show minimal interaction. However, it is recommended that compatibility tests are made with all materials likely to come into contact with 128F-1

Processing

128F-1 Series can be pumped at ambient conditions from packaging to application point, 128F-1 is thixotropic and does not require pre-heating

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