



ZÜMRÜT INTERNATIONAL KİMYA SAN. VE TİC.LTD

Cationic Bitumen Emulsion K1-70 Specification

<i>No</i>	<i>Property</i>	<i>Result</i>
1	Particle charge	Pos.
2	Residue on 710 um KS sieve (%) (m/m), maximum	—
3	Residue on 150 um KS sieve (g per 100 mL), maximum	—
4	Binder content (%) (m/m), minimum	67
5	Viscosity (degrees Engler (°E) at 20°C	—
6	Viscosity redwood No. II (s at 85°C)	25-35
7	Storage stability (long period test) % water content difference, maximum	—

Technical Specifications

Property	Test Method	Unit	Specification
Residue by Evaporation	ASTM D6930	%	≥ 67
Sieve Test (710 µm)	ASTM D6933	%	≤ 0.1
Viscosity at 50°C (Saybolt Furol)	ASTM D7496	Seconds	≥ 20
Particle Charge ASTM D244 - Positive			
Oil Distillate by Volume of Emulsion	ASTM D6997	%	≤ 4
Penetration at 25°C (100g, 5s)	ASTM D5	0.1 mm	60 – 250
Ductility at 25°C (5 cm/min)	ASTM D113	cm	≥ 20
Solubility in Trichloroethylene	ASTM D2042	%	≥ 97.5
Storage Stability (24 hours)	ASTM D6930	%	≤ 1



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