

KGT 981 - Cationic

Specification of Cationic Bitumen Emulsion	Quick - Setting		Rapid - Setting				Medium - Setting				Slow - Setting			
	COS_1h		CRS_1		CRS_1		CMS_2		CMS_2h		CSS_1		CSS_1h	
	MIN	MAX	MIN	MAX	MIN	MIN	MAX	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Test on Emulsion														
Viscosity, Saybolt, Furol at 25 °C SFs	20	100	---	---	---	---	---	---	---	---	20	100	20	100
Viscosity, Saybolt, Furol at 50 °C SFs	---	---	20	100	100	400	50	450	50	450	---	---	---	---
Storage Stability test, 24 – h, %A	---	1	---	1	---	1	---	1	---	1	---	1	---	1
Demulsibility, 35 mL, 0.8 % dioctyl sodium	---	---	40	---	40	---	---	---	---	---	---	---	---	---
Particle charge test	Positive		Positive		Positive		Positive		Positive		Positive		Positive	
Sieve test, %A	---	0.1	---	0.1	---	0.1	---	0.1	---	0.1	---	0.1	---	0.1
Cement mixing test,%	---	N/A	---	---	---	---	---	---	---	---	---	---	---	2
Coating ability and water resistance														
Coating, dry aggregate	---	---	---	---	---	---	good	---	good	---	---	---	---	---
Coating, after spraying	---	---	---	---	---	---	fair	---	fair	---	---	---	---	---
Coating, wet aggregate	---	---	---	---	---	---	fair	---	fair	---	---	---	---	---
Coating, after spraying	---	---	---	---	---	---	fair	---	fair	---	---	---	---	---
Distillation														
Oil distillate, by volume of emulsion, %	---	---	---	3	---	3	---	12	---	12	---	---	---	---
Residue, %	57	---	60	---	65	---	65	---	65	---	57	---	57	---
Test on residue from distillation test														
Penetration, 25 °C, 100g, 5s	40	90	100	250	100	250	100	250	40	90	100	250	40	90
Ductility, 25 °C, 5 cm/min, cm	40	---	40	---	40	---	40	---	40	---	40	---	40	---
Solubility in trichloroethylene, %	97.5	---	97.5	---	97.5	---	97.5	---	97.5	---	97.5	---	97.5	---