

TECHNICAL DATA SHEET

CECABASE® PC 39

CATIONIC EMULSIFIER FOR BITUMEN EMULSION

CECABASE® PC39 is designed for long storage stability emulsion at low concentration.



Surfactant Applications

- Surface dressing / Chip Seal
- Tack coat / Fog seal

Type of emulsion

- CRS

FEATURES & BENEFITS

- Performance at low dosage: CECABASE® PC39 is a highly efficient bitumen emulsifier with usage rates as low as 1.5 kg/t for stable Rapid Setting emulsions.
- Robust: CECABASE® PC39 performance is not depending on bitumen type or quality. It works perfectly well with PMB.
- Emulsion storage stability: Bitumen emulsions with CECABASE® PC39 features exceptional resistance to sedimentation even at low bitumen content like 50%.

COMMERCIAL SPECIFICATIONS

PROPERTY	VALUE	METHOD
Alkalinity Total	4.4 - 4.9 ml HCl (N)/g	IM 010

USAGE RECOMMENDATIONS

CECABASE® PC39 needs to be heated over 40°C for convenient handling. Soap phase is obtained by dispersing the heated product in very hot water (55-70°C) with mineral or organic acid addition

CRS type emulsion (low solid)	CRS type emulsion with PMB
50% Bitumen	65% SBS modified bitumen
0.15-0.30% CECABASE® PC39	0.15-0.30% CECABASE® PC39
0.12-0.25%* HCl [32%]	0.12-0.25%* HCl [32%]
0.1-0.2% CaCl ₂ (optional)	0.1-0.2% CaCl ₂ (optional)
Water to 100%	Water to 100%

(*)Quantity to be adjusted for pH=2

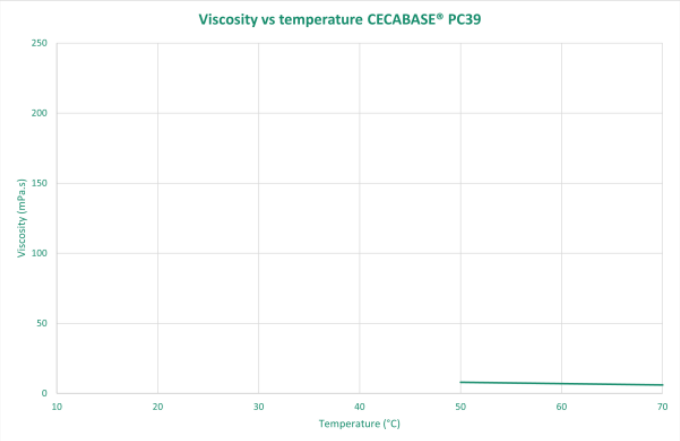
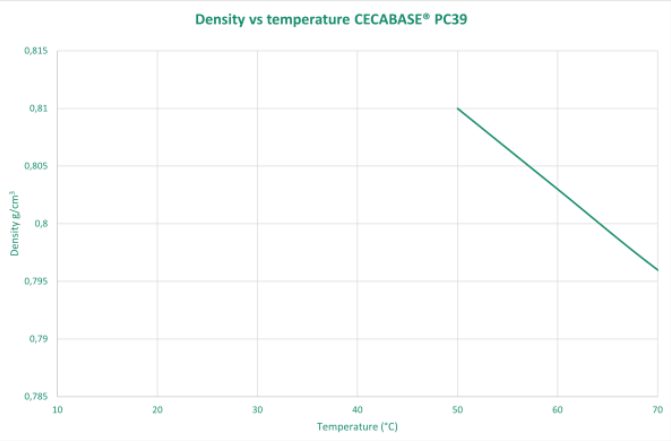
CECABASE® PC 39

TYPICAL PHYSICAL CHARACTERISTICS*

PROPERTY	VALUE	METHOD
Appearance	Paste	
Viscosity (50°C/122°F)	8 mPa.s	IM 172
Density (50°C/122°F)	0.81 g/cm³	IM 190
Flash point	> 150 °C	IM 197
Solidification point	32 °C (89.6 °F)	IM 055

* The data reported are typical and not specifications. Typical ranges for density and viscosity values are ± 2% and ± 20%.

PHYSICAL PROPERTIES



STORAGE AND HANDLING

CECABASE® PC39 can be stored 2 years in its closed original packaging at ambient temperature. For bulk storage, temperature should be maintained at 40-50°C and extended heating above 70°C should be avoided.

PACKAGING

- Drum 160 Kg

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