



THE CHEMICAL DIVISION OF COLAS

CDML

Product Information

CDML is a bitumen additive. It improves the cohesion build-up of cold micro asphalt made with paraffinic bitumen. CDML can also be used for rapid setting emulsions to increase their viscosity and speed-up the cohesion build-up of the emulsion for surface dressing application.

Storage & Handling

CDML must be protected from exposure to water and to long-term exposure to atmospheric moisture. Water may also flash/splash when added to the hot bitumen. Atmospheric moisture contamination takes place slowly on the additive surface exposed to moist air. When in use, protect from rain and seal tightly when not in use.

Formulation Example

Application	Bitumen Type & Dosage	CDML Dosage
Micro surfacing	60% paraffinic	5-16 kg/t bitumen
Surface dressing	69% paraffinic	3-6 kg/t bitumen

Table of Parameters

Characteristics	Methods	Specification	Typical Values
Physical state at 20°C / 68°F	Visual test	Liquid	-
Acid index (mgKOH/g)	MOPCST PC-006	>180	195
Flash point, closed cup (°C/°F)	EN 22719	>250 / 482	-
Cloud point	CHEM 003	-	<0°C / 32°F

Do not leave small amounts in containers for long periods before using it. Inspect the storage container and all seals for damage or leaks.

CDML must be protected from frost. Continued cold weather storage can lead to major increase in the viscosity of the CDML. This can lead to difficulties in pumping the additive.

Packing

Drums of 195kg (430 US lbs)
IBC / Tote of 930kg (2050 US lbs)

Temp.	Density		Viscosity
	(g/cm ³)	(lb/gal)	
°F/°C			(mPa.s)
68/20	0.933	7.786	570
86/30	0.927	7.736	315
104/40	0.921	7.686	180
122/50	0.915	7.736	110