



THE CHEMICAL DIVISION OF COLAS

CDM

Product Information

CDM is a bitumen additive. It improves the cohesion build-up of cold micro asphalt made with paraffinic bitumen. CDM 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 (refer to Chemoran guide)

CDM 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	CDM Dosage
Micro surfacing	60% paraffinic	7-14 kg/t bitumen
Surface dressing	69% paraffinic	2-5 kg/t bitumen

Table of Parameters

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

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

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

Packing

Drum of 186kg / IBC of 930kg

Temp.	Density	Viscosity
°C	(g/cm ³)	(mPa.s)
20	0.953	7000
30	0.947	2600
40	0.941	1320
50	0.935	700