



THE CHEMICAL DIVISION OF COLAS

GAP

Product Information

GAP is a special blend of fatty nitrogen compounds in an inert solvent. GAP is used in the manufacture of mixing grade bitumen emulsions for cold mixes, grave emulsion and microsurfacing.

Storage & Handling (refer to Chemoran guide)

GAP must be protected from exposure to water and to long-term exposure to atmospheric moisture which create a viscous layer and a chemical reaction can also occur which may lead to a reduction in the performance of the product.

Formulation Example (refer to CST Technical Note N°120)

Application	Bitumen Type & Dosage	GAP Dosage	Aqueous Phase pH
Micro surfacing	60% naphthenic	10-24 kg/t	2.0-2.5
Grave emulsion	60% paraffinic	5-12 kg/t	2.0-2.5

Table of Parameters

Characteristics	Methods	Specification	Typical Values
Physical state at 20°C	Visual test	Liquid	-
Alkalinity index (mgHCl/g)	MOPCST PC-006	>220	250
Flash point, closed cup (°C)	EN 22719	>100	-
Cloud point	CHEM 003	-	Solid <0°C

GAP must be protected from frost. Continued cold weather storage can lead to a major increase in the viscosity of the product and also some precipitation may take place. If this occurs GAP should be heated and agitated thoroughly to insure a homogeneous mixture before use or transfer. GAP must be used above 15°C.

Packing

IBC of 930kg

Temp.	Density	Viscosity
°C	(g/cm ³)	(mPa.s)
10	1.000	1930
20	0.993	630
30	0.986	330
40	0.978	175
50	0.970	105