



THE CHEMICAL DIVISION OF COLAS

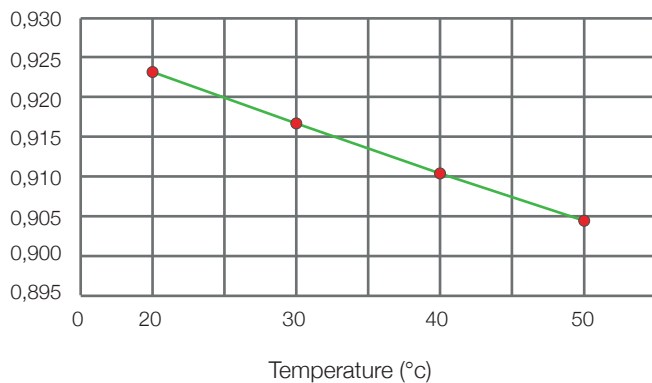
# XTX (R)



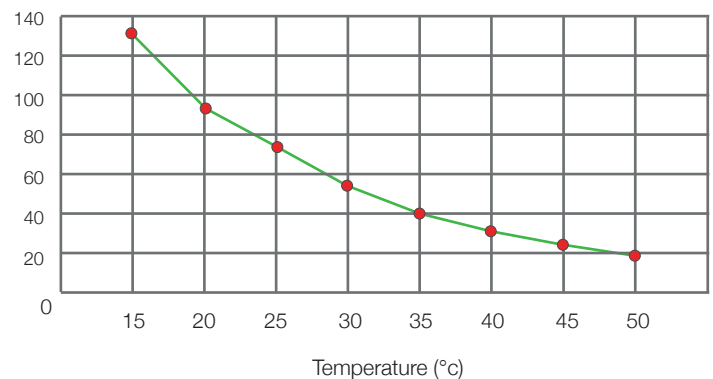
XTX (R) is a mix of fatty imidazoline / amidoamine derivatives and polyethylene amines designed for use as a "short-term only" adhesive agent for hot binders to ensure a better bitumen/aggregate bond.

CHARACTERISTICS	METHODS	SPECIFICATIONS	TYPICAL VALUES
Physical state at 20°C	Visual test	Liquid	-
Alkalinity index (mg HCl/g)	MOPCST PC-006	>140	160
Density at 20°C (g/cm <sup>3</sup> )	CHEM 004	0.92 ± 0,05	-
Flash point, closed cup (°C)	EN 22719	>100	114
Viscosity at 25°C (mPa.s)	MOPCST PC-029	-	73
Cloud point	CHEM 003	-	< 5°C

## DENSITY XTX(R) (g/cm<sup>3</sup>)



## VISCOSITY XTX(R) (mPa.s)



## FORMULATION EXAMPLES

<b>Application</b>	Pure bitumen for hot mix asphalt	Polymer modified bitumen for hot mix asphalt
<b>XTX dosage</b>	≥3 Kg/t	≥3 Kg/t

XTX(R) is designed for short term storage in the hot bitumen. Once added to the bitumen, XTX(R) will only remain active in the stored bitumen for up to 24 hours.

## STORAGE AND HANDLING CONDITIONS (refer to Chemoran guide)

XTX(R) must be protected from exposure to water and to long-term exposure to atmospheric moisture. When mixed with water, a chemical reaction can occur which may lead to a reduction in the performance of the additive. 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. Do not leave small amounts in containers for long periods before using it. Inspect the storage container and all seals for damage or leaks.

XTX(R) must be protected from frost. Continued cold weather storage can lead to major increase in the viscosity of the XTX(R). This can lead to difficulties in pumping the additive. XTX(R) will precipitate and form a layer at the bottom of the storage vessel at low temperatures. If this occurs the additive should be heated or agitated thoroughly to insure a homogeneous mixture before use. To prevent this layer from developing XTX(R) should be stored at temperatures above 10°C.

## PACKING

Drum of 200Kg / IBC of 1000Kg