

EPOMIX CR 100A

High Performance Hexavalent Chromium Reducing Chemical Additive



PRODUCT DESCRIPTION

According to the European directive 2003/53/EC, it is mandatory to have Chromium VI content below 2 ppm in cement and cement based products. **EPOMIX CR 100A** reduces the hexavalent chromium content below 2 ppm without affecting the mortar and concrete performance

ADVANTAGES

- **EPOMIX CR 100A** is a liquid admixture added to the grinding process. At this stage, it disperses into clinker and other raw minerals.
- During the hydration of cement it reduces the water soluble hexavalent Chromium- Cr (VI) to trivalent Chromium- Cr (III).
- In comparison with other Chromium reducing agents, **EPOMIX CR 100A** is slightly basic, and is not corrosive.
- **EPOMIX CR 100A** keeps the hexavalent Chromium content below 2 ppm for at least 3 months depending on the environmental conditions and storage.
- **EPOMIX CR 100A** does not affect the mortar and concrete performance.

APPLICATION

Grinding of cements types from CEM I to CEM V

METHOD OF USE

Industrial trials are required to determine the optimum dosage.

A dosing pump is required to introduce the correct dosage of **EPOMIX CR 100A** into the mill

EPOMIX CR 100A can be fed directly into the mill entry (as close as possible to prevent loss of admixture) or onto the feed conveyor belt by dripping. The dosage nozzle should be periodically checked to prevent blocking up.

RELEVANT STANDARDS

EPOMIX CR 100A meets the performance requirements of **TS EN 196-10**

PRODUCT DATA

Form	Liquid
Colour	Light pink-white
Consumption	0.03 – 0.15 % of cement weight (Depending on the previously made trials)
Packing	Drums / Bulk
Shelf Life	EPOMIX CR 100A should be kept original closed packaging. Protect from excessive cold and freezing. Avoid direct air contact. Store in clean and dry tanks or containers, if possible discharge in closed systems

TECHNICAL SPECIFICATION

Test Name	Average Result
Density @ 20°C	1.215 ± 0.02 Kg/Ltr
pH	9.0 ± 2.0
Cl - ions Content (%) (EN 480-10)	< 0.1

