



# PACTOCem Aid CR-AT

Chromium VI reducing agent for Cement

## Description

**PACTOCem Aid CR-AT** is a high-performance Hexavalent Chromium reducing agent for cement added to cement mill during grinding process to reduce Chromium VI level significantly lower less than 2ppm complying with European directive 2003/53/EC.

## Recommended for

**PACTOCem Aid CR-AT** is recommended for:

- Chromium VI reduction for Ordinary Portland Cement (OPC) less than 2ppm
- Blended cements using Fly Ash, GGBFS and other Pozzolonic materials
- Other hydraulic cements

## Features and Benefits

**PACTOCem Aid CR-AT** is a specially formulated powder product based on Antimony Trioxide compounds technology enabling efficient reduction of Chromium (VI), even at low dosage rates

- Ready to use using suitable powder dispensing system.
- Reduces Chromium Hexavalent level less than 2ppm depending on dosage
- No negative effect on setting time and strength.
- Suitable for use in Ball Mill and Vertical mills

## Product specification

Bulk Density (g/cm <sup>3</sup> )	5.76
Colour	White powder
Homogeneity	Homogeneous powder

## Technical Details

**PACTOCem Aid CR-AT** helps to reduce Chromium VI level significantly below 2ppm.

**PACTOCem Aid CR-AT** is suitable for use in Ball Mill and Vertical Roller Mill (VRM).

**PACTOCem Aid CR-AT** contains special chemical formulation based on Antimony technology that react with the cement/clinker to reduce Chromium Hexavalent level more effectively.

## Compatibility

**PACTOCem Aid CR-AT** is compatible for use with all types of Portland cement and blended cement replacement materials like GGBS, PFA and limestone. **PACTOCem Aid CR-AT** is compatible to all PACTO range concrete admixtures

## Dosage Guidelines

**PACTOCem Aid CR-AT** guideline dosage is 15 grams/ton for each ppm of CR (VI) level in cement. Dosage may vary depending on clinker type, Type of cement mill. **PACTOCem Aid CR-AT** dosage shall be optimized during plant field trials and actual plant use to meet desired requirement. Please contact PAC Technologies technical department for **PACTOCem Aid CR-AT** dosage use outside guideline dosage range.

### Technical services

PAC Technologies technical experts are available at all the time for technical assistance and troubleshooting.

### Packaging

**PACTOCem Aid CR-AT** is supplied in 25 kgs bags or 1000 kgs bags on pallet.

### Dispensing

**PACTOCem Aid CR-AT** is normally added on the clinker material belt conveyor before cement grinding mill using suitable powder dispensing system. The **PACTOCem Aid CR-AT** can be added to cement mill first chamber however addition location shall be decided jointly depending on actual plant condition.

### Standard Compliance

**PACTOCem Aid CR-AT** complies with European directive 2003/53/CE requirements to limit the water-soluble Chromium (VI) content of cement below 2ppm.

### Storage

**PACTOCem Aid CR-AT** shall be stored in covered storage area where temperature does not drop below freezing.

### Shelf Life

**PACTOCem Aid CR-AT** can be stored up to 12 months when kept dry and tightly close in the original packing at the room temperature.

### Safety Precautions

The usual precautionary measures should be adhered to handling the chemicals. Skin and Eye Contact: The affected area should be washed with plenty of water and soap. During the handle of the product, should use protective gloves.



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