



# ARCEM Ch-R 101

## CHROME (VI) REDUCER CEMENT ADDITIVE

### Product Description

**ARCEM Ch-R 101** is the chrome reducing agent that transforms Cr (VI) into Cr (III) for all cement types, during cement hydration by acting on soluble chromates.

### Technical Properties

Chemical base	Antimony based
Color, Appearance	White viscous liquid
pH	3,00 – 6,00
Density	1,19 ± 0,03 g/cm <sup>3</sup> (20 °C)

### Advantages

- Reduces health problems caused by chrome.
- Achieves high rates of chrome reduction with low doses.
- Positive influence on early and late strength of cement.

### Uses

Reduction of Cr(VI) in cement below 2 ppm without decreasing grinding capacity

### Consumption Dosage

**ARCEM Ch-R 101** usage dosage is suggested around 30-45 gr / ton per ppm Cr (VI). Optimal dosage should be determined by preliminary trials to be made at the factory, according to the desired cement properties. It may differ according to the cement type.

### Method of Application

**ARCEM Ch-R 101** is dripped directly to the clinker on the conveyor belt. The proper dosage of the additive is obtained by using suitable dosage pump.

### Packaging

- 1000 kg container

### Storage and Shelf Life

Under proper storing conditions, the product's shelf life is 12 months from production date if kept in original packaging unopened and undamaged. Direct sunlight exposure and freezing conditions should be avoided.

### Warning

Optimum additive dosage can vary according to clinker properties, cement type and the factory conditions.

### Safety Measures

Use protective clothes, gloves, glasses and mask compatible with health and safety regulations during the application. Avoid direct contact with eyes and skin during storing and application, in case of contact wash off thoroughly with soap and water, if ingested seek medical attention immediately. Store away from all foodstuffs. Keep away from children. For detailed safety information please consult the product's Safety Data Sheet.

**Responsibility:** The information given in this technical data sheet is based on the applications carried out in our field of production and latest technological developments. **YAPICHEM KİMYA SAN. A.Ş.** is only responsible for the quality of product. **YAPICHEM KİMYA SAN. A.Ş.** cannot be responsible for the results due to the wrong use of the product and/or apart from the written recommendations regarding the area of use and application method. This technical data sheet makes the prior issues void.