

Technical Data Sheet ADITOR® Cr-10

Liquid additive with low viscosity, reducer of cement hexavalent chromium

Cr (VI) present in the cement is a skin sensitizer agent that can cause *contact dermatitis* in any personnel handling cement, concrete and mortar paste, inducing different levels of irritation or traumatism. Due to this problem, the cement producers have been forced to use additives capable of reduce this Cr (VI) to Cr (III). Among these additives, **ADITOR Cr-10** outstands because of its proved efficacy on any kind of cement, with no adverse effect in any other property and keeping the usual production levels on the production plant, as well as thanks to its easy and convenient method of use.

Technical specifications (*)

Aspect: Translucent green liquid with a faint characteristic odour

Density (20°C): 1,17 - 1,23 g/cm³

pH (20°C): ≤ 1

(*) Average values. They are not sales specification

Benefits

- ✦ High chemical stability, which allows to seize the product at 100%, with no waste material.
- ✦ Low viscosity, liquid product.
- ✦ Easy dosage at the entrance of the mill.
- ✦ Special installations are not required for the unloading, transport and storage.
- ✦ Handling this product is absolutely safe (it is classified just as irritant), clean and it respects the environment.
- ✦ It is non-corrosive and non-abrasive..
- ✦ It makes no interference with any other additive, commonly used, both by the cement producer and by the concrete producer.

Instructions for use and dosage

- ✦ They can be easily poured on the material to grind (at mill feeding belt) by using a simple pumping system, being recommended to add them out as close to the entrance of the mill as possible.
- ✦ Standard dosage is 150ppm additive / ppm Cr (VI) to reduce. Anyway, depending on the cement's properties and of the installation characteristics, and according to the objectives to achieve, the ideal dosage should be individually determined by the necessary industrial trials.

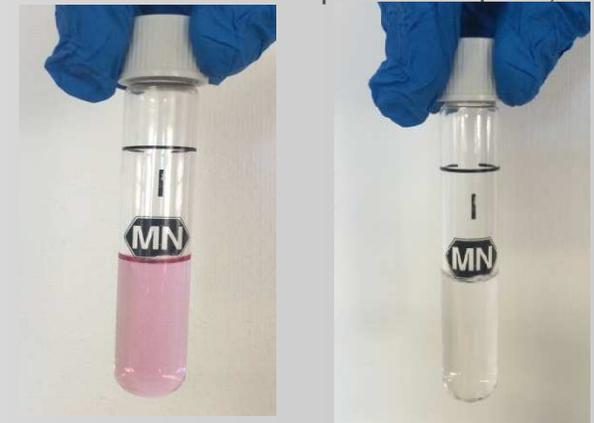
Storage

- ✦ It is recommended to be stored in closed containers, protected from any pollution and cold temperatures, and placed in areas with good ventilation. Avoid high temperatures to prevent any biological contamination in the inside.
- ✦ Maximum time limit to use it: 6 months after supply.



Skin irritation Class 2
Eye irritation Class 2

Attention



Handling and transport

- ✦ Handling these products is not dangerous. Nevertheless, the usual preventive measures for the handling of chemical substances should be adopted.
- ✦ Disposal of the product or its container should be done complying with the legislation in force, and it is exclusive responsibility of its final user.
- ✦ Non hazardous product according to the land, sea and air transport regulation.