



Technical Data Sheet **ADITOR® R** Early strengths enhancer additives

Last generation additives designed to optimize the grinding process and to provide notable increases of the cement compressive strengths, specially to the first curing stages. **ADITOR® R** exert an intense surfactant effect, drastically reducing the coating effect and increasing the production of the mills and the fluency of the cement. At the same time, this kind of additives has a remarkable chemical effect on the cement, increasing its hydration capability, and enhancing its mechanical strengths development .

Technical specifications (*)

Aspect: Yellow /translucent orange liquid and faint characteristic odour

Density (20°C): 1,15 - 1,35 g/cm³

Chloride (%wt): 7,7 - 13,5

pH (20°C): 3 – 8

(*) Average values. They are not sales specification

Benefits

- ✦ Mills production increase between 10% and 20%, depending on cement type, plant's equipment and characteristics and dosage.
- ✦ Noticeable increase of the cement fluency, favouring its transport, pumping, extraction from silo and packing.
- ✦ Enhanced mechanical strength to compression up to 2-6 MPa in 2-7 days and of 2-4 MPa in 28 days, which will allow to apply also one or several of the following actions: enhance the cement to a higher category (quality), replace a percentage of the CK content for other mineral admixtures with no adverse effect on its mechanical properties, use admixtures of reduced quality (and cheaper) preserving the cement quality and/or apply less grinding time (energy saving) maintaining the cement resistances.

Instructions of 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.
- ✦ Recommended dosage: 1.500 –2.000 ppm (g/mt)

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.
- ✦ Suitable storage materials are stainless steel, carbon steel, fibreglass reinforced plastic and other plastic materials.
- ✦ Maximum time limit to use it: 10 - 12 months after supply.



Attention

Skin irritation Class 2
Eye irritation Class 2



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.