



Cim'antiretrait

Shrinkage reducing agent

Cim'antiretrait is a compound with a synthetic copolymer base that enables a significant reduction of endogenous and desiccation shrinkage of concrete, namely for high performance concrete.

This additive reduces the surface tension of the water within the concrete. Consequently, any water movement due to evaporation or consumption during hydration reactions generates a lesser tension on concrete, which induces reduced endogenous and desiccation shrinkage. The shrinkage reduction ranges from about 30% to 50% of the control concrete shrinkage. This reduction depends on the product dosage.

This additive acts neither on the hydration chemistry nor on the calcium silicate hydrates structure or the porous structure or the hydrated slurry. No retard effect has been noticed when using this product in the normal dosage range.

CHARACTERISTIC VALUES

- Amber liquid
- Density at 20°C :
0.950 kg/dm³ ± 0.050
- Active matter : 100 %
- Totally dispersible in water.
- Na₂O equivalent ≤ 0.25 %
- Freezing temperature point :
lower than -10°C.

FIELDS OF APPLICATION

Cim'antiretrait is compatible with all cement types.

DIRECTIONS FOR USE

Cim'antiretrait should be added to the gauging water.

The use of **Cim'antiretrait** is not compatible with the use of an air entraining additive.

DOSAGE

Depending on the effect desired : from 0.5 to 2.5 kg per 100 kg of cement. The dosage shall be adapted to each specific case and shall be defined according to research and suitable tests.

PRECAUTIONS FOR USE

- **Cim'antiretrait** is stable up to -10°C .

SAFETY

- **Cim'antiretrait** is irritating for eyes. In case of contact with eyes, rinse with plenty of water.
- It is recommended to wear glasses and gloves when handling the product.
- In all cases, refer to the material safety data sheets.

PACKAGING

- Container of 1000 litres
- Barrels of 200 litres.
- Kegs of 30 litres.

STORAGE – PRESERVATION

- Expiration date : 2 years as of manufacturing date.

*The material technical and safety data sheets can be consulted on our internet site :
<http://www.axim.fr>*