



Cimplast 302

Plasticizer / Water reducer

Cimplast 302 is a plasticizer / water reducer. It complies with the EN 934-2. **Cimplast 302** is a non retarder additive, enabling cement grain deflocculation which improves workability.

Its incorporation into the concrete provides :

- a better water / cement ratio, hence highly increased short and long term mechanical resistances,
- improved workability (ideal for pumped concrete),
- a better compactness
- a better homogeneity avoiding segregation, hence an improved surface aspect.

CHARACTERISTIC VALUES

- Brown liquid
- Density at 20°C :
 $1.150 \text{ kg/dm}^3 \pm 0.030$
- pH : 11.0 ± 1.0
- Dry matter : $30.0 \% \pm 1.5 \%$
(halogen)
- Dry matter : $30.7 \% \pm 1.5 \%$
(NF EN 480-8)
- $\text{Na}_2\text{O}_{\text{equivalent}}$: $\leq 6.2 \%$
- Cl - : $\leq 0.10 \%$
- Freezing temperature point :
about - 5°C.
- Viscosity :
at 20° C $\approx 25 \text{ cP}$
at 5° C $\approx 30 \text{ cP}$
- Corrosion effect : PND
- contains components only
taken from EN 934-1 : 2008
Annex A1.

FIELD OF APPLICATION

Cimplast 302 is a must for all pumped, reinforced and prestressed, high performance concretes.

Due to the significant increase of mechanical resistances, its use is recommended for quick demoulding concrete.

Cimplast 302 in association with an air entraining additive is recommended for paving concrete.

Cimplast 302 is compatible with all cement types (except high alumina cement) but dosage will vary according to the type used.

Cimplast 302 has received a certificate that allows it to be used in concretes that are in contact with the water dedicated to human consumption.

DIRECTIONS FOR USE

Cimplast 302 is best added to the gauging water, so that it is easy to use in all cement mixing plants.

DOSAGE

- Depending on the effect desired : from 0.25 to 2.5 kg per 100 kg of cement. Before use, it is recommended to carry out research and suitable tests under building site conditions (temperature and route).
- At high dosage, **Cimplast 302** increases plasticity and makes possible to obtain S4 concrete.
- At high dosage, the product may have a retard effect.

PRECAUTIONS FOR USE

- After a frost/melting cycle, there can be risks of settling, re-homogenize before use.
- It is recommended to store it in a location protected against frost, sun and high temperatures.

SAFETY

- In case of projection, rinse with water.
- It is recommended to wear glasses and gloves when handling the product.
- In all cases, refer to the material safety data sheets.

PACKAGING

- Bulk
- Tanks of 1000 liters.
- Barrels of 200 liters.
- Kegs of 30 liters.

SERVICE LIFE

- Expiration date : 1 year as of manufacturing date.

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