



# Cimplast Néo 11

## Plasticizer / Water reducer

**Cimplast Néo 11** is a plasticizer / water reducer. It complies with the EN 934-2. Due to its exclusive formulation based on modified polyacrylates, **Cimplast Néo 11** is particularly suited for the field of ready-to-use concrete, for making quality concrete, the consistence of which goes from very plastic (S3) to self-placing.

It provides for cement grain deflocculation, workability and a reinforced effect on setting so that it is a performant product that is perfectly suitable for ready-to-use concrete.

**Cimplast Néo 11**, is particularly suitable for white cement or CEM I, CEM II and CEM III types of cement that have a low active equivalent alkaline content ( $< 0.4 \text{ Na}_2\text{O eq}$ ). Indeed it is particularly difficult at low dosage to incorporate additives in these cement types because traditional plasticizers do not allow for a good workability. Or, if the necessary workability has been reached, the retard setting can be significant.

Its incorporation into the concrete enables :

- improved workability by keeping a fluid consistency on 90 minutes, without any retard setting effect
- improved short and long-term resistances by allowing water reductions by 10 %
- a better concrete compactness
- a better concrete cohesion and a lower risk of segregation and bleeding when adding water or changing the additive dosage.

### CHARACTERISTIC VALUES

- Brown liquid
- Density at 20°C :  
 $1.060 \text{ kg/m}^3 \pm 0.020$
- pH :  $6.0 \pm 1.0$
- Dry matter (halogen) :  
 $30.0 \% \pm 1.5 \%$
- Dry matter (NF EN 480-8) :  
 $30.0 \% \pm 1.5 \%$
- $\text{Na}_2\text{O}$  equivalent  $\leq 1.0 \%$
- $\text{Cl}^-$  :  $\leq 0.10 \%$
- Freezing temperature point :
  - about - 15°C.
- Viscosity :
  - at 20° C : 188.3 cP
  - at 5° C : 362.7 cP.
- Corrosion effect : PND
  - contains components only taken from EN 934-1 : 2008 Annex A1.

### FIELD OF APPLICATION

**Cimplast Néo 11** is recommended in the field of ready-to-use concrete, for usual concrete types.

Due to its low retard setting effect on cement, it can also be used in prefab when the use of plasticizers is sufficient to reach the desired performances.

**Cimplast Néo 11** is mainly compatible with white cement and low alkaline types but dosage can be too high for other types. Anyway **Cimplast Néo 11** does not cause any retard setting effect in case of an excessive dosage.

## **INSTRUCTIONS FOR USE**

**Cimplast Néo 11** can be introduced into the gauging water or at the end of the mixing according to the type of mixing plant of the performances to be reached.

The best efficiency can be used when the **Cimplast Néo 11** is introduced in a concrete that already contains a part of the gauging water (more than 50%).

## **DOSAGE**

Depending on the effect desired, **Cimplast Néo 11** can be dosed from 0.30 to 3 kg per 100 kg cement.

Before use, it is recommended to carry out suitable tests under building site conditions to determine the best dosage.

Axim technical services are available to help you in this process.

## **PRECAUTIONS FOR USE**

- It is recommended to store it in a location protected against frost, sun and high temperatures.
- In case of frozen product, let the product defreeze and re-homogenize before testing its stability.

## **SAFETY**

The product is not considered as “noxious” but the following is recommended as a precaution measure :

- Rinse with water in case of projection
- Do not swallow
- 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 litres.
- Barrels of 200 litres.
- Kegs of 30 litres

## **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>*