



# MEGAMIX NS 4421



## Applications

MEGAMIX NS 4421 superplasticizer can be widely used for various applications such as making precast concrete parts, in-situ concreting, etc. The ability to improve the efficiency of concrete, the uniformity of the concrete mass, the significant increase in short-term resistance, the drastic reduction of the water-cement ratio along with the proper efficiency are among the things that have widened its use.

This superplasticizer has the ability to reduce the free water of concrete by 25% and can be used in cases where concrete with high strength or durability is needed.

This product is used in normal concrete, pumped concrete, highly fluid concrete, self-compacting concrete and strong and strong concrete.

## Dosage

The amount of NS 4421 consumption is recommended in the amount of 0.5 to 3% of the weight of cement materials. The amount of consumption is obtained according to the conditions of implementation, mixture design and laboratory tests.

## Method of Use

NS 4421 additive should be added to the mixture at the same time as water or after adding all the components. Its best effect is when about 80% of water has been added to the concrete. Make sure that this additive is spread evenly throughout the mixture after mixing. Do not add this product directly to dry materials, especially cement.

## How to maintain

Store in a covered place, at a temperature of 5 to 40°C, away from direct sunlight, and inside the package. Under the correct storage conditions and in the original packaging, it can be consumed up to 18 months after production.

## Packaging:

20 kg gallon / 220 kg barrel / 1100 kg tank

## Technical support

We are ready to provide related technical services in the site.

## Compatibility

If you need to use it simultaneously with other additives, be sure to contact the technical support department.

## Standard

This product complies with ASTM C494: Type F and INSO 2930-2 (Table 3) and EN 934-2 (Table 3) standards.

## Technical features

**Product Type:** Liquid

**Color:** Brown

**Specific mass (kg/L):**  $1.20 \pm 0.03$

**pH:**  $8 \pm 1$

**Amount of chloride:** negligible (less than 0.1 percent)

**Alkali content:** less than 5%

**The amount of aeration:** less than 2% according to the amount of consumption