



Rev 0  
10/23

# EXCELLENT 2023

## EXCELLENT 4 E 2023

Superplasticizing additive for ready-mix concretes. High efficiency water reducer. High workability retention.



### DESCRIPTION

Due to its dispersing action, its characteristics and the good synergism of its components, it gives the concrete a good reduction in the w/c ratio, allowing the creation of fluid and rheo-fluid cementitious conglomerates; It also gives a good maintenance of workability with good characteristics of compactness, mechanical and chemical resistance.

### HOW TO USE

To obtain the desired consistency, it is recommended to add the product to the wet conglomerate, before the last correction water.

### PHYSICAL PROPERTIES

Physical Status:	liquid
Color:	amber
Density:	1.05 ± 0.02 g/dm <sup>3</sup>
pH (at 20°C):	6 ± 1
Limit of use:	5 °C

### FOR MAJOR WORKS

EXCELLENT 4 E 2023 is widely used in all works where it is essential to have a superfluid concrete with a low w/c ratio, with high initial and final strengths, as well as the achievement of excellent impermeability and great resistance to chemical aggression, such as in industrial flooring, construction of ports, docks, dams, sea caissons, foundations, canalization, high-density barriers for thermonuclear reactors, etc.

### ADVANTAGES IN READY-MIX CONCRETE


It allows a good maintenance of workability, facilitating the packaging and installation of concretes in inaccessible places, facilitates pumping and always improves the adhesion of the reinforcing bars.

### DOSAGE

Dosage on cement weight: 0.8 – 1.5%  
Recommended dosage: 1%  
For on-site tests: 1 litre per 100 kg of cement

High compressive and bending strength at 2, 7 and 28 days, good workability retention, reduction of hygrometric shrinkage, excellent aesthetic finish and increased durability.

EXCELLENT 4 E 2023, by virtue of its particular formulation, allows, in cases where high reductions in the w/c ratio (particularly compact concretes) are desired, dosages higher than those indicated. However, we recommend that you contact our technical service, which is always at your disposal.



1305  
TEKNA CHEM SPA  
Via Sirtori z.i. 20838 Renate (MB)

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1305 – CPD – 1146  
EN 934-2

**EXCELLENT 4 E 2023**  
High Efficacy Water Reducer /  
Superplasticizer Concrete Admixture T  
3.1 / 3.2

Maximum chloride content ..... 0.1%  
Maximum alkali content ..... 0.5%

No hazardous substances

TECHNICAL DATA SHEET



TEKNA CHEM S.p.A.

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## VALIDITY

The product maintains its characteristics for 6 months if stored in dry places, sheltered from direct sunlight.

## PACKS

25 kg plastic jerry cans

200 kg drums

1050 kg tanks

Bulk in tanks.

*Special automatic dosing units can be supplied on request.*

## LEGAL

The information contained in this data sheet, although it represents the most advanced stage of knowledge, does not exempt the user from carrying out accurate preliminary tests in his own conditions of use and operation. We therefore decline any responsibility for improper use of the product.

