



Rev 0
03/19



TEKNAPAV UQC

New generation superplasticizing admixture for concrete, specifically for industrial flooring



DESCRIPTION

TEKNAPAV UQC is a new-generation superplasticizer additive specially formulated for industrial flooring.

Its formulation, based on modified polycarboxylates, is the result of extensive laboratory and site research for solving multiple problems (setting time, reduced water demand, higher activity in hydration reaction, ideal for cold climates).

METHOD OF USE

It is recommended to add the product into the wet mix after at least 80% of the recipe water has been introduced. After good mixing, add the last of the correction water to the desired consistency.

FEATURES AND BENEFITS

It allows excellent results to be obtained with any type of cement. Chloride-free can be used in any type of structure, especially for reinforced or fiber-reinforced concretes. Allows economizing the mixing of concretes for the following technical requirements:

- its use improves all initial and final characteristics of concrete;
- at 25°C it maintains initial processing for 1 hr;
- bleeding does not occur in superfluid concretes (S5 consistency);
- at the same consistency it significantly reduces R a/c, improving concrete quality in terms of strength, impermeability and, consequently, durability;
- at the same R a/c it makes the concrete superfluid, with concomitant increase in strengths;
- because of its special and innovative composition, it allows an increase in the hydration process.

By reconciling multiple peculiarities, it allows the surface characteristics of the pavement to be improved, in particular:

- rapid paving with excellent compaction (increased degree of compaction of concrete);
- speeds up the paving work steps;
- easy finishing (paving and smoothing);
- homogeneity of pouring;
- uniform curing.

PHYSICAL PROPERTIES

Physical state	liquid
Color	ivory/straw yellow
pH (a20°C)	4 ± 1
Density	1,04 ± 0,02
Usage limit	-5 °C

CE

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

15
1305 – CPD – 1146
EN 934-2
TEKNAPAV UQC
Additivo per calcestruzzo riduttore di
acqua ad alta efficacia /
superfluidificante T 3.1 / 3.2

Massimo contenuto di cloruri 0.1%
Massimo contenuto di alcali 0.5%

Sostanze pericolose assenti

TECHNICAL DATA SHEET



TEKNA CHEM S.p.A.

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CAMPI D'IMPIEGO

TEKNAPAV UQC is particularly suitable for concrete pavements.

- Enables the production of stronger and more durable concretes;
- Reduces vibration time by up to 80% with obvious improvement in environmental conditions;
- Reduced working time;
- Good surface finish.

TEKNAPAV UQC finds wide use in all works where it is essential to have good workability with low Ra/c, good initial and final strengths, as well as improved impermeability and resistance to chemical aggression.

This product is compatible with all additives in the SUPERIOR and TEKSUPERFLOW ranges.

DOSAGE

TEKNAPAV UQC has a dosage range of 0.6 percent to 1.2 percent by weight of binder.

However, the optimal dosage (and type of product) is determined depending on the specific working conditions, depending on the concrete components you have available and depending on the temperatures.

For different dosages, we recommend consulting the TEKNA CHEM technical staff.

VALIDITY

The product retains its characteristics for 12 if protected from frost or excessive heat, stored in the original packaging.

PACKAGING

25 kg plastic jerry cans

200 kg drums

1050 kg tanks

Bulk in tanker.

Special automatic dispensers can be supplied upon request.

LEGAL WARNING

The information contained in this data sheet, while representing the current state of knowledge, do not release the user from the accurate preliminary tests in their conditions of employment and exercise. We assume no responsibility for the improper use of the product.



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