

DURAHIT® CF 420

Item No. 2919

High quality lithium silicate for compacting and surface hardening of concrete

FIELDS OF APPLICATION

DURAHIT® CF 420 is a very high quality and highly reactive lithium silicate which is used to compact and harden concrete surfaces. It is particularly suitable for industrial floors, concrete and screed surfaces, concrete slabs, artificial stone/ terrazzo, and concrete facades.

DURAHIT® CF 420 can be used equally on troweled, grinded, or polished concrete floor coverings. A deepening of the colour shade is not or hardly achieved.

The application of DURAHIT® CF 420 can obtain the following advantages:

- Increase in density and strength
- higher abrasion resistance
- reduced penetration of liquids
- enhanced chemical resistance
- increased freeze-thaw resistance
- reduced sanding/dusting of the surface
- reduced dirt adhesion
- easier cleaning of the surface

DURAHIT® CF 420 significantly increases the resistance and durability of concrete surfaces. This may give manufacturers an economic and ecological advantage.

DOSAGE

DURAHIT® CF 420 is supplied ready for use. The consumption depends on the absorbency of the surface.

Sanded surfaces

The consumption is approx. 1000 ml/ 7-15 m²

Smoothed/ polished surfaces

The consumption is approx. 1000 ml/ 15 -25 m²

WORKING PRINCIPLE

DURAHIT® CF 420 penetrates mineral surfaces and solidifies them by silicification.

TECHNICAL DATA

Homogeneity	homogenous
Colour	colourless
State	liquid
Density	1.15 ± 0.03 g/cm ³
pH-value	10.5 ± 1.0
Workability	from +5 °C to +25 °C
Shelf life	approx. 1 year from date of production if stored properly
Storage Conditions	Store in unopened, original sealed packaging between +5 °C and +25 °C. Protect from frost and insolation.

PROCESSING INDICATIONS

The surface to be treated must be clean, dry, absorbent, and free of oil, grease, lye or other impurities.

DURAHIT® CF 420 is applied undiluted or diluted (1:1) evenly and thinly to the surface with a brush or a suitable spraying device and distributed. Puddle formation during distribution must be avoided. After about 20-30 minutes, remove excess material with a suitable device or work in with a polishing pad.

The drying time is 1-2 hours depending on the ambient temperature and humidity. According to the absorbency of the floor one or two applications are required. The second application must be "damp on damp" to achieve the desired result.

Complete curing is achieved after 12-24 hours. Only after this time treatment with additional surface protection products is recommended.

This product is classified as hazardous according to the CLP regulations. See safety data sheet for further information.

PACKAGING

- 30 l can
- 200 l barrel
- 1000 l container

REMARKS

This information describes the application- and processing possibilities of a product and its operation principles under regular conditions. Having no influence on the further application and processing, especially in conjunction with other construction materials, the given indication is neither a warranty in respect of the product's properties or its fitness for a particular purpose nor a full instruction of use. This information, any other recommendation or verbal advice are not binding and do not infer to any liability or legal demand.

Due to continuous further development, the most recent Technical Data Sheet is valid and will be supplied on request. All orders are accepted subject to our current general terms and conditions.

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SUITABILITY- AND PRE-TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE ADMIXTURE!