

High-performance superplasticizer formulations for screed finish. Special area of application for screeds and earth-moist concrete types.

APPLICATION:

- » Precast plants
- » Screed production
- » Earth-moist concrete types
- » Monolithic concrete floors

ADVANTAGES:

- » Superior liquefaction properties
- » Novel molecular structure
- » Significantly higher early strength of the concrete
- » improved concrete properties
- » high energy-saving potential
- » Shorter curing times
- » Shorter time until ready for covering
- » Use of less reactive cement types possible
- » Reduced tendency to secrete water (bleeding)
- » positive influence on processing (longer open processing times)

PRODUCT DESCRIPTION

3CS® AdCon ES 20 is a raw materials innovation based on a polycarboxyl ether. The novel molecular structure means the availability of a larger surface area of the cement particles for the hydration reaction. Further effects include very rapid adsorption of the molecules by the cement particles and an extraordinarily efficient dispersion effect (electrostatic stabilization). These effects result together in an earlier hydration reaction, the resulting heat development is utilized more efficiently and this results in a significantly faster early strength development of the concrete.

ADVANTAGES

By reducing the amount of mixing water, the screed dries out more quickly, allowing floor coverings to be laid earlier. By using **3CS® AdCon ES 20**, better workability is achieved for both bonded and floating screeds. In screeds for underfloor heating systems, the addition of **3CS® AdCon ES 20** produces a softer consistency despite the reduction in water. This ensures a better embedding of the heating pipes and a denser concrete structure, which is necessary for optimal heat transfer.

PROCESSING

Add **3CS® AdCon ES 20** to the mixer after the mixing water has been added. Minimum mixing time is 1 minute. Do not dose into the dry mixture. To optimally exploit the potential of the admixture, the concrete temperature should be above +10 °C. Residual moisture testing is still necessary before laying floor coverings



STORAGE CONDITIONS

Storable for at least 12 months in the original sealed container in a possibly cool, dark and dry place at temperatures from +5 °C to +30 °C. Protect from direct sunlight, frost and contamination.

SAFETY INSTRUCTIONS

Please observe the hazard warnings and safety advice on the labels and in the safety data sheets.

TECHNICAL SPECIFICATIONS

COLOR	light brown
STATE	liquid
PROCESSING TEMPERATURE	+5 °C to +30 °C
DOSAGE	0.50 - 1.50 M-% of the cement weight
SHELF LIFE	12 months

ARTICLE NUMBER	UNIT	PACKAGING UNIT
B207052384551	kg	1000 kg IBC
B207052384561	kg	200 kg drum
B207052384582	kg	25 kg can

This data sheet, like our other technical information, serves only to describe the nature of this product and the processing and application options. However, it is not intended to guarantee certain product properties or fitness for a specific purpose, and the description does not contain complete instructions for use. As we reserve the right to make changes to our data sheets, it is the customer's responsibility to ensure the availability of the up-to-date data sheet. Current information sheets can be requested at any time from any of our premises. Typos, technical changes and errors excepted. In addition, our general terms and conditions apply. **Version: 22/04/2026**

