

# CONCRETE ADMIXTURE **ADCON BETONDICHT 035** CE

Effective, chloride-free sealing agent for concrete and mortar based on innovative raw material mixtures with polycarboxylate ether.

## APPLICATION:

- » Concrete goods production
- » Concrete pipe production
- » Precast plants
- » In-situ concrete

## ADVANTAGES:

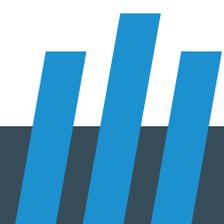
- » Improved compaction capability
- » Reduced compaction energy
- » Improved concrete quality in processing
- » Economical dosing thanks to high efficiency
- » Improved concrete properties due to reduction of the water/cement ratio
- » Durability of the concrete/mortar

## PRODUCT DESCRIPTION

**3CS® AdCon BETONDICHT 035** is a raw material innovation based on a special polycarboxylate 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 setting, the resulting heat development is utilized more efficiently and this results in a significantly faster early strength development of the concrete. The use of **3CS® AdCon BETONDICHT 035** in the concrete or mortar makes the mix more homogeneous and easier to process thanks to higher liquefaction with less water added. The reduction of the water/cement ratio results in a significantly higher mortar/concrete quality. The sum of all the beneficial properties of **3CS® AdCon BETONDICHT 035** results in a dense and superior quality concrete/mortar structure. In addition, the resistance to aggressive media is increased and the durability of the concrete/mortar is significantly improved.

## PROCESSING

Add **3CS® AdCon BETONDICHT 035** to the mix after the mixing water has been added or directly the mixing water. Do not dose into the dry mixture. To optimally exploit the potential of **3CS® AdCon BETONDICHT 035**, the concrete temperature should be above 10°C and a sufficient mixing time should be observed. The recommended dosing quantity is 0.50 % to 1.50 % of the cement weight, depending on the required liquefaction tendency. The use of standardized cements and aggregates is recommended. For high-quality concretes, the mixing ratio should be determined in advance and a suitability test carried out on the concrete



## 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

<b>COLOR</b>	bright, translucent
<b>STATE</b>	liquid
<b>DOSAGE</b>	0.50 % - 1.50 % of the cement weight
<b>DENSITY</b>	approx. 1.010 g/cm <sup>3</sup>
<b>PROCESSING TEMPERATURE</b>	+5 °C to +30 °C
<b>SHELF LIFE</b>	12 months

<b>ARTICLE NUMBER</b>	<b>UNIT</b>	<b>PACKAGING UNIT</b>
<b>B207042262982</b>	kg	25 kg container
<b>B207042262985</b>	kg	5 kg container
<b>B207042262986</b>	kg	1 kg container

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: 16.05.2025**

