

REBA-Silika

Siliceous additive for the production of high-performance concrete according to EN 13263-1 and EN 13263-2

Product No.: 100001000

Product Information:

Properties:

- increases the strength
- reduces the water permeability
- improves the resistance against chemical attacks
- improves the durability of the concrete

Application:

concrete products
precast concrete elements

REBA-Silika is used for the production of high-performance concrete. Due to its pozzolanic property REBA-Silika binds the calcium hydroxide in the concrete into the calcium silicate hydrate phases effecting a strength formation in the concrete.

A complete dispersion and homogeneous distribution of the finest substances from REBA-Silika is decisive for this application. REBA-Silika is added as the last component of the finished mixture. If the silica fume is added to the cement before adding the water alkali silicate gel can form which reduces the strength. Such mixtures have to be avoided. For an especially good mixing effect the total mixing time of the concrete should at least be 3 min. REBA-Silika must be held homogeneous through regular stirring. Stir the product well at least all 2 to 3 weeks and before each application. Because of the strongly abrasive properties diaphragm -, progressive cavity - or hose pumps should be used.

Dosage:

Recommended dosage: 5 - 20 mass % of the binding agent content
Prior to use a suitability test according to DIN EN 206-1 and DIN 1045-2 is necessary.

Specifications:

Appearance: liquid
Colour: grey
Density: 1.35 ± 0.03 g/ml
Dry matter content in the suspension, mass %: 49 ± 2.5

Storage:

Protect against frost and dirt. Under normal storage conditions (closed container, 20 °C) minimum shelf-life 12 months.

Packaging:

can approx. 20 kg
Please ask for further package sizes.

Safety Rules:

See EC safety data sheet.

Assistance:

Please contact our Technical Application Centre.