

CALCICARB® FOR CONSTRUCTION MATERIALS

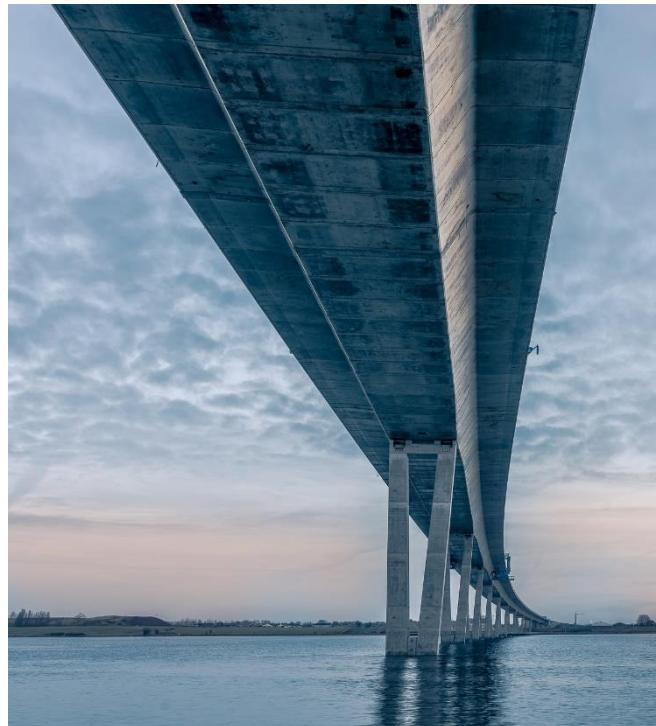
Product Properties

Calcium carbonate (CaCO_3) has broadened application field as universal industrial mineral in building products and construction applications, like tape joint compounds, stucco, concrete, floor tiles, masonry and pool plasters from the ancient times up to the present. A lot of contemporary areas of using of calcium carbonate in construction of roads, buildings, concrete blocks and bonding bricks have been developed in the modern time. **CALCICARB KA** is the trade name for natural white marble-based products manufactured in Kainach/Graz in Austria, where compact-grown marble is mined in open pit, washed, dried and automatically classified under controlled conditions.

UNIVERSAL FILLERS FOR AGELESS BEAUTIES

Key Benefits at a glance

- Natural calcium carbonate (GCC)
- Natural brightness
- Steep slope of PSD
- Enhanced properties of final product
- Highest filling factors are possible
- Broaden application spectrum
- Increasing of aesthetic properties



V2 / 2020-09-15 / OK

Alpha Calcit Füllstoff Gesellschaft mbH & Co. KG

D-50971 Köln Postfach 50 11 06

Telefon: +49 2236 8914-0

Email: info@alpha-calcit.de

D-50997 Köln Otto-Hahn-Str. 9-11

Telefax: +49 2236 40644

Internet: www.alpha-calcit.de



Die in unseren Informationen und Druckschriften angegebenen Werte sind Durchschnittswerte ohne Rechtsverbindlichkeit.
The data indicated on our data sheets and printed matters represent average values and are not legally binding.

CALCICARB® FOR CONSTRUCTION MATERIALS

Introduction

Calcium carbonate plays an important role as industrial mineral for construction materials, due to its positive influence on workability, rheology, early stress, long-term stress and other technological properties of the mortar. High filling grades, enhanced rheological properties, economic advantages due to replacement of cement by dry mortar systems can be achieved. **CALCICARB** products are based on marble, manufactured in several steps using special grinding and classifying techniques under permanent quality control.

CALCICARB product family is characterized by high brightness, a steep slope of the particle size distribution curve and a clean top-cut which enables the user to achieve highest filling factors at a constant surface finish. Main application areas are products of building industry, fillings, mineral casts, dry mortars, self-leveling mortars etc.

Chemical and Physical Data

Composition:	Natural calcium carbonate
Activity:	100 % active by weight
Color:	White with very light grey whiff
Form:	Powder with enhanced PSD

Product	D50 [µm]	Whiteness Ry	Moisture [%]	Bulk density (untamped) [g/ml]
CALCICARB 10 KA	10	85	< 0.2	0.9
CALCICARB 20 KA	20	85	< 0.2	1.0
CALCICARB 30 KA	30	83	< 0.2	1.1
CALCICARB 40 KA	40	82	< 0.2	1.2
CALCICARB 100 KA	35	83	< 0.2	1.3

Application examples

Mineral casts:

- Outstanding damping performance
- Low water absorption

Masonry and concrete blocks:

- Lower porosity and water adsorption
- Higher compressive strength

Dry mortar and self-leveling systems:

- Outstanding rheology and performance



V2 / 2020-09-15 / OK

Alpha Calcit Füllstoff Gesellschaft mbH & Co. KG

D-50971 Köln Postfach 50 11 06

Telefon: +49 2236 8914-0

Email: info@alpha-calcit.de

D-50997 Köln Otto-Hahn-Str. 9-11

Telefax: +49 2236 40644

Internet: www.alpha-calcit.de

Die in unseren Informationen und Druckschriften angegebenen Werte sind Durchschnittswerte ohne Rechtsverbindlichkeit.
The data indicated on our data sheets and printed matters represent average values and are not legally binding.

