

CALCICARB® FOR ADHESIVES AND SEALANTS

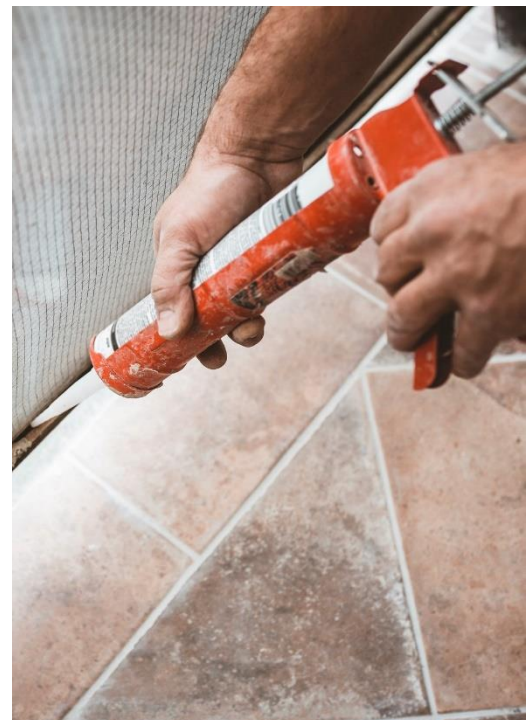
Product Properties

Calcium carbonate (CaCO_3) is one of the most commonly used industrial minerals in the industry, and its use in adhesives and sealants has a broadened application spectrum. A lot of new polymer-based systems for sealants applications have been developed to be much faster reacting than in the past. **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.

UNIQUE MINERALS FOR BONDING SYSTEMS

Key Benefits at a glance

- Natural calcium carbonate
- Natural brightness
- Steep slope of PSD (“low on fines”)
- Improved performance of 1K and 2K systems
- Very high filling levels possible
- Broaden application spectrum
- Germ – free and free from organic pollutants



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 ADHESIVES AND SEALANTS

Introduction

The addition of calcium carbonate to adhesives is not just done to cut costs, but also contributes to higher performance, improved processing and improved sustainability of the finished product. Higher filling factors, improvement of rheological properties, economic advantages because can be reached by application of industrial minerals in adhesives and sealants. **CALCICARB 10 KA**, **CALCICARB 20 KA** and **CALCICARB 30 KA** are products based on marble, manufactured in several steps using special grinding and classifying techniques under permanent quality control. They are characterized by natural brightness, a steep slope of the particle size distribution curve and an exact top-cut, which enables the user to achieve highest filling factors. Main application areas are conventional and tile adhesives, silicone sealants 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 |

Application examples

Adhesives:

- One-component sealants (based on hybrid network materials and silicone)

Sealants / glues:

- One-component sealants (based on MS polymer, hybrid network materials, silicone)
- Crosslinking polymer preparations



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.