

CALCIPLAST® 2 HS

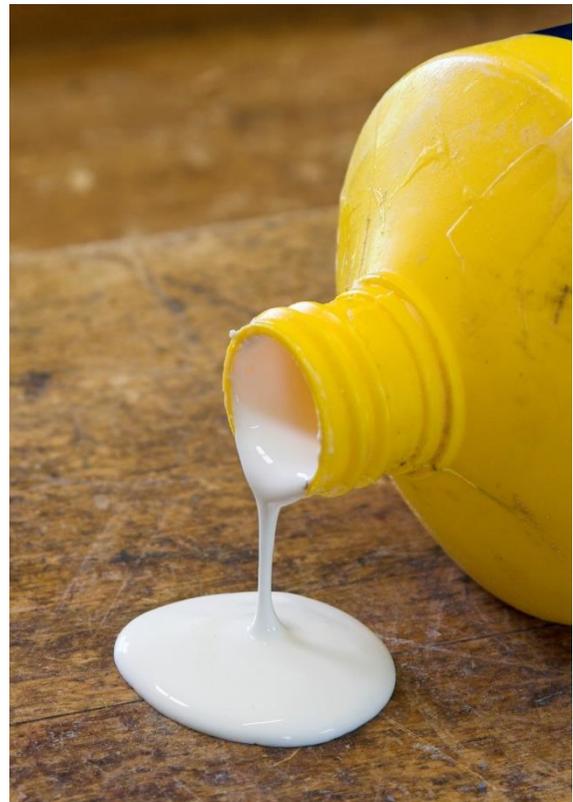
Product Properties

The new generation hydrophobic industrial mineral **CALCIPLAST 2 HS** stands for a calcium carbonate combining high whiteness with a small particle size and a sharp top cut. It fits into the polymer matrix exactly like 2 µm mineral fillers. Due to its lowered humidity of 0,1* % it is suited for all kind of application areas where standard calcium carbonates do cause trouble due to their humidity of about 0,2 % and also in a wide spectrum of organic-based compounds, where hydrophobic interactions are beneficial.

FINE CUSTOMER-FOCUSED ALL-ROUNDER

Key Benefits at a glance

- Extra fine particle-sized calcium carbonate
- Hydrophobic
- Low humidity
- Improved rheology
- High flow spread
- Faster processing and lower cost
- No side reactions due to surface water
- Ideally suited for reactive polymer systems



* Measured at production

V3 / 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.



CALCIPLAST® 2 HS

Introduction

A lot of new polymer-based systems for applications in glues and sealants have been developed to be much faster reacting than in the past. Standard calcium carbonate fillers lead to side-reactions due to their amount of about 0,2 % humidity which reacts with functional groups of the polymers or with additives reducing the shelf life of such products. To become a real alternative to standard calcium carbonates in such applications the new product was developed having a humidity of 0,1* %. The resulting high flow spread leads to faster processing and cost saving.

Chemical and Physical Data

Composition:	Fine particle-sized natural calcium carbonate
Activity:	100 % active by weight
Color:	White
Surface:	Water-repellent
Form:	Fine powder
Average particle size:	2 µm
Whiteness, Ry:	95
Sieve Residue > 32 µm:	< 0,01 %
Residual moisture content:	0,1* %
Bulk Density:	900 kg/m ³

Application examples

Sealants:

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

Glues:

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



* Measured at production

V3 / 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.