

CALCIPLAST 2 HS

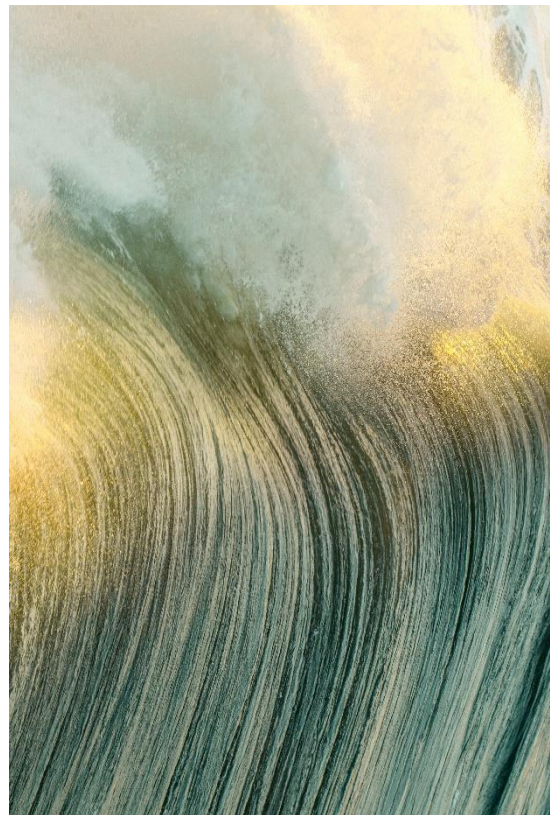
Product Properties:

The new generation hydrophobic filler **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 carbonate fillers 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.

COST SAVING BY IMPROVED FLOW SPREAD

Key Benefits at a glance:

- Finely ground natural calcium carbonate
- Hydrophobic surface modification
- Low humidity
- Improved rheology behavior
- High flow spread
- Faster processing lowers cost
- Low side reactions due to surface water
- Ideally suited for reactive polymer systems



*-Measured at production.

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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:	Finely milled natural calcium carbonate
Activity:	100 % active by weight
Color:	White
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



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