

PRODUCT DESCRIPTION

a zinc-free calcium modified silica gel
 - HEUCOSIL CTF is a highly effective Anticorrosive designed to meet the specific performance requirements for Coil Coatings and other Thin-Film applications.

APPLICATION PROFILE

The relatively high surface area of HEUCOSIL CTF combined with the negligible solubility of the pigment particles reduces film breakdown. The result is extremely low blistering and permeability during the weathering resulting in outstanding long term protection. The low density allows a very high quantity of active particles per unit weight. The combination of HEUCOSIL CTF along with other active pigments provides further advantages in some applications.

TECHNICAL DATA

Calcium as CaO [%]	3.0 - 5.0	ICP
Loss on ignition 1000 °C [%]	5.0 - 8.0	ISO 3262-1
Water-soluble chloride [%]	max. 0.025	acc. to ISO 787, Part 13
Water-soluble sulphate [%]	max. 0.05	acc. to ISO 787, Part 13
Conductivity [$\mu\text{S}/\text{cm}$]	max. 500	ISO 787, Part 14
pH	6.5 - 8.5	ISO 787, Part 9
Lead as Pb [ppm]	10.0	ICP
Cadmium as Cd [ppm]	10.0	ICP
Density [g/cm^3]	typ. 2.2	ISO 787, Part 10
Bulk density, untamped [g/cm^3]	typ. 0.2	acc. to ISO 787, Part 11
Bulk density, tamped [g/cm^3]	typ. 0.3	acc. to ISO 787, Part 11
Oil absorption value [$\text{g}/100\text{g}$]	typ. 90	ISO 787, Part 5
Sieve residue 32 microns [%]	max. 0.01	acc. to DIN 53 195
Average particle size [microns]	2.0 - 4.0	Coulter Multisizer 3

STANDARD PACKAGING

- 10 kg Paper Bags, different types of packaging are available on request

Taking advantage by using added values



Binder: High molecular polyester *Substrate:* Cold rolled steel panels ST 1205 *Exposure:* 480 h Salt Spray Testing (ASTM B117-03) ISO 9227
Dry film thickness: Primer: 6-8 microns, Top coat (PVDF): 20-24 microns

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