

CAB-O-SIL® CT-1111G

CAB-O-SIL 1111G is a fluidizing additive specifically designed for powder coatings applications and other powders requiring enhanced free flow and fluidization performance. This is a high-purity silica that has been treated with hexamethyldisilazane. The treatment replaces many of the surface hydroxyl groups on the fumed silica with trimethylsilyl groups, rendering the silica very hydrophobic.



Application Information:

Powder Coatings:

CAB-O-SIL CT-1111G is designed for use as a post-additive. Unlike other fluidization and free-flow additives which must be added at the grinding or pulverization process, CT-1111G can be added after these processes without compromising the surface appearance of the cured coating. In addition, post-addition allows tighter control of the fluidization additive loading in the formulation. CT-1111G is easily incorporated into powder coatings and other powders.

In comparison to other fumed aluminas and silicas, CT-1111G provides excellent free-flow and fluidization at very low loadings. The hydrophobic surface treatment on CT-1111G reduces blocking or caking of powder coatings and other powders during storage in humid environments.

Performance Comparison:

Product	Product Features		Benefits in Powder Coatings					
	Electrostatic Charge	Surface Modification	Fluidization Free Flow	Anti-blocking	Recommended for:			Recommended Point of Addition
					Humidity Stability	Tribocharge Spraying	Corona Spraying	
SpectraI 100 fumed alumina	positive	no hydrophilic	Good	Good	Good	Yes	Yes	at grinder or pulverization
CAB-O-SIL M-5 untreated fumed silica	negative	no hydrophilic	Good	Good	Fair	No	Yes	at grinder or pulverization
CAB-O-SIL CT-1221	negative	yes hydrophobic	Excellent	Excellent	Excellent	No	Yes	at grinder or pulverization
CAB-O-SIL CT-1111G	negative	yes hydrophobic	Excellent	Excellent	Excellent	No	Yes	at or after grinder or pulverization





Packaging, Storage and Handling: Product Sales Specifications:

To provide maximum protection from compaction during shipping and storage CAB-O-SIL CT-1111G is packaged in 10 kg cardboard boxes which are lined with a polyethylene bag. Eight boxes are unitized on a pallet to facilitate shipping and handling. The net weight of each pallet is 80 kg.

Sales specifications for this product may be obtained by contacting a sales or technical service manager at the Cabot Corporation office in your region.

Material Safety Data Sheet:

A Material Safety Data Sheet for this product may be obtained by contacting the Cabot Corporation office in your region or can be downloaded from our website:

www.cabot-corp.com

This information is provided as a convenience and for informational purposes only. No guarantee or warranty as to this information, or any product to which it relates, is given or implied. Cabot disclaims all warranties express or implied, including merchantability or fitness for a particular purpose as to (i) such information, (ii) any product or (iii) intellectual property infringement. In no event is Cabot responsible for, and Cabot does not accept and hereby disclaims liability for, any damages whatsoever in connection with the use of or reliance on this information or any product to which it relates.

NORTH AMERICA	EUROPE	ASIA/ PACIFIC	SOUTH AMERICA	CHINA
Cabot Corporation Business and Technical Center 157 Concord Road Billerica, MA 01821-7001 USA Customer Service: Phone: (800) 526-7591 Technical Service: Phone: +1 (978) 663-3455 Phone: (800) 462-2313 Fax: +1 (978) 670-6167	Cabot Interleuvenlaan 15 i B-3001 Leuven BELGIUM Tel: +32 16 39 24 00 Fax: +32 16 39 24 44	Cabot Specialty Chemicals Level 21 MNI Tower 2 11, Jalan Pinang 50450 Kuala Lumpur MALAYSIA Phone: +60 3 2164 8352 Fax: +60 3 2161 0253	Cabot Latin America Division Rua do Paraiso, 148 - 5th Floor Paraiso CEP 04103-000, São Paulo SP BRAZIL Phone: +55 11 2144 6400 Fax: +55 11 3253 0051 Customer Service: Phone: +0800 195959	Cabot (China) Limited 558 Shuangbai Lu Wujing Shanghai 201108 CHINA Phone: +86 21 5175 8800 Fax: +86 21 6434 5532