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## Technical Datasheet

### PS-Matt 112

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#### Characteristics physico-chemical data

Properties and test methods	Unit	Value
Loss on drying (2h at 105°C)	%	≤ 4,0
Loss on ignition (2h at 1000°C) following ISO 787-2		≤ 2,5
pH value 5 % in water following ISO 787-9	-	6-8
Sulfate content following ISO 19350	%	1
Average Particle size Laser diffraction following ISO 13320	µm	8,5-9,5
Carbon content elemental analyser LECO following ISO 3262-19	%	
SiO <sub>2</sub> content following ISO 3262-19	%	≥ 99
Oil absorption following ISO 787-5	g/100 g	260-300

PS-Matt Matting agents are high performance silica developed for a variety of applications in Paints & Coatings.

PS-Matt 112 is an untreated thermal silica characterised by very high matting efficiency combined with very high transparency. Thanks to the unique properties PS-Matt 112 is particularly suitable for coating systems that are difficult to matte.

## Advantages

1. High matting efficiency because its particle size distribution is in the range to effect excellent matting efficiency
2. Easy dispersing. Normally it can be dispersed completely under mix speed 1200rpm (5-6m/S) for 10-15 minutes. Temperature should be controlled to be below 50°C.
3. High transparent, and foggy appearance can be avoid in vanish.

## Safety and handling

Information concerning the safety of this product is listed in the corresponding Safety Datasheet, which will be sent with the first delivery or upon updating.

## Packaging and storage

For details regarding our packaging options for this product, please contact your local sales representative. Our products are inert and extremely stable chemically. However, due to their high specific surface area, they can absorb moisture and volatile organic compounds from the surrounding atmosphere. Therefore, we recommend storing the products in sealed containers in a dry, cool place, and removed from volatile organic substances. Even if a product is stored under these conditions, after a longer period it can still pick up ambient moisture over time, which could lead to its exceeding the specified moisture content. For this reason, our recommended use-by date is 24 months after date of manufacture. Product more than 24 months old should be tested for moisture content before use in order to make certain that it is still suitable for the intended application.