
Technical Datasheet

PS-Matt 601

Characteristics physico-chemical data

Properties and test methods	Unit	Value
Loss on drying (2h at 105°C)	%	3-5
Loss on ignition (2h at 1000°C) following ISO 787-2	%	12
pH value 5 % in water following ISO 787-9	-	6,3
Sulfate content following ISO 19350	%	1
Average Particle size Laser diffraction following ISO 13320	µm	5,0-6,3
Carbon content elemental analyser LECO following ISO 3262-19	%	5,5
Specific surface area (N ₂) Multipoint following ISO 9277	m ² /g	180 m ² /g
DOA absorption following ISO 19246	ml/100 g	240
SiO ₂ content following ISO 3262-19	%	98
Oil absorption following ISO 787-5	g/100 g	280-320

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

PS-Matt 601 is a fine-grained wax after-treated precipitated silica. This effective matting agent is suitable for pigmented coatings and due to the remarkable suspension behaviour it is particularly suitable for clear coatings and other non-pigmented systems.

Properties and applications

PS-Matt 601 matting agent allows exceptional surface characteristics with excellent slip effect, also in pigmented coatings. As a result of its outstanding suspension behaviour, it is especially suitable for use in clear coatings, colour coatings, and furniture coatings. It is suggested to be added directly together with resin in application.

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.