

ACEMATT® 3300

Characteristic physico-chemical data*)

Properties and test methods	Unit	Value
Particle size, d50 Laser diffraction following ISO 13320-1	µm	9.5 ³⁾
pH value 5 % in water/methanol = 1:1 following ISO 787-9	-	7.7
Loss on drying 2h at 105 °C following ISO 787-2	%	≤ 4
Loss on ignition ²⁾ 2h at 1000 °C following ISO 3262-1	%	≤ 6
Oil absorption following ISO 787-5	g/100g	290
Tamped density not sieved following ISO 787-11	g/l	50
SiO ₂ content based on ignited substance following ISO 3262-17	%	≥ 99
Package size (net)	kg	10
1) ACEMATT® 3300 is a pyrogenic, surface modified silica. 2) based on dried substance *) The given data are typical values, no specifications.		

Properties and applications

ACEMATT® 3300, a pyrogenic silica, is a development in the ACEMATT® family of matting agents exhibiting a multitude of exciting benefits:

In solvent and waterborne coatings the surface modification leads to an outstanding suspension behavior. In waterborne systems, there is only a minimum adsorption of associative thickeners resulting in improved rheology stability.

Excellent transparency is obtained making it ideal for clear wood coatings, as observed by the depth of color when applied over colored substrates.

ACEMATT® 3300 also has the added benefit of providing an elegant matted finish to soft-feel coatings as well as enhancing the tactile sensation, which is also known as soft touch or haptic.

Compared to untreated pyrogenic silica, coatings matted with ACEMATT® 3300 also show a marked improvement in mar and burnish resistance.

Like all ACEMATT® products, ACEMATT® 3300 can easily be incorporated and has no adverse effect on the application properties of the coating system.

Advantages of ACEMATT® 3300 are:

- high matting efficiency
- outstanding suspension behavior
- high transparency (depth of color)
- outstanding haptic properties
- minimization of thickener adsorption in waterborne coatings
- improved mar and burnish resistance
- low viscosity build-up in solvent borne coatings

Registrations

ACEMATT® 3300

Europe (EINECS)	registered
USA (TSCA)	registered
Canada (DSL)	registered
Australia (AICS)	registered
Korea (ECL)	registered
Japan (ENCS)	registered
Philippines (PICCS)	registered
China (IECS)	registered

Packaging and storage

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 to store 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.

Safety and handling

Information concerning the safety of this product is listed in the corresponding Material Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Industries AG, Product Safety Department, E-MAIL sds-im@evonik.com. We recommend to read carefully the material safety data sheet prior to the use of our product.

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**Applied Technology
Evonik Industries AG**

Inorganic Materials
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Germany
PHONE +49 6181 59 3536
FAX +49 6181 59 4095
ask-si@evonik.com
www.acematt.com

**Europe/ Middle-East/
Africa/ Latin America
Evonik Industries AG**

Inorganic Materials
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Germany
PHONE +49 6181 59 8118
FAX +49 6181 59 78118
ask-si@evonik.com
www.acematt.com

**North America
Evonik Degussa Corporation**

Inorganic Materials
379 Interpace Parkway
Parsippany, NJ 07054-0677
USA
PHONE +1 888 745 4227
FAX +1 732 981 5310
ask-si@evonik.com
www.acematt.com

**Asia-Pacific
Evonik Degussa (SEA) Pte. Ltd.**

Inorganic Materials
3 International Business Park
#07-18, Nordic European Centre
Singapore 609927
PHONE +65 6 809 6851
FAX +65 6 809 6651
ask-si-asia@evonik.com
www.acematt.com