

ACEMATT® HK 450

Characteristic physico-chemical data*)

Properties and test methods	Unit	Value
Loss on drying 2 h at 105°C following ISO 787-2	%	≤ 6
pH value 5 % in water following ISO 787-9	-	6
Sulfate content following ISO 19350	%	≤ 1.5
Particle size, d50 Laser diffraction following ISO 13320	µm	10.5
Specific surface area (N ₂) Multipoint following ISO 9277	m ² /g	500
DOA absorption following ISO 19246	ml/100 g	270
SiO ₂ content ¹⁾ following ISO 3262-19	%	≥ 98
1) based on ignited substance *) The given data are typical values. Specifications on request.		

Registrations

ACEMATT® HK 450

CAS-No.	112926-00-8 (ex 7631-86-9)
REACH (Europe)	registered
TSCA (USA)	registered
DSL (Canada)	registered
AICS (Australia)	registered
KECI (Korea)	registered
ENCS (Japan)	registered
PICCS (Philippines)	registered
IECS (China)	registered
NZIoC (New Zealand)	registered

ACEMATT® Matting agents are high performance silica developed for a variety of applications in Paints & Coatings.

ACEMATT® HK 450 is an untreated coarse-grained precipitated silica, particularly suitable for pigmented coatings systems.

Properties and applications

This highly efficient matting agent is used in can and coil coatings as well as industrial coatings.

Safety and handling

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

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 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.

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Applied Technology**Evonik Resource Efficiency GmbH**

Business Line Silica
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Germany
PHONE +49 6181 59 3406
FAX +49 6181 59 4310
ask-si@evonik.com
www.acematt.com

Europe/ Middle-East/**Africa/ Latin America****Evonik Resource Efficiency GmbH**

Business Line Silica
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 Corporation**

Business Line Silica
299 Jefferson Road
Parsippany, NJ 07054-0677
USA
PHONE +1 888 745-4227
FAX +1 732 981-5275
ask-si@evonik.com
www.acematt.com

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

Business Line Silica
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