

ACEMATT® TS 100/20

Characteristic physico-chemical data*)

Properties and test methods	Unit	Value
Loss on drying 2 h at 105°C following ISO 787-2	%	≤ 4
Loss on ignition ¹⁾ 2 h at 1000°C following ISO 3262-1	%	≤ 2.5
pH value 5 % in water following ISO 787-9	-	6.5
Particle size, d50 Laser diffraction following ISO 13320	µm	9.5
Specific surface area (N ₂) Multipoint following ISO 9277	m ² /g	250
SiO ₂ content ²⁾ following ISO 3262-19	%	≥ 99
1) based on dried substance 2) based on ignited substance *) The given data are typical values. Specifications on request.		

Registrations

ACEMATT® TS 100/20

CAS-No.	112945-52-5 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® TS 100/20 is an untreated thermal silica characterised by very high matting efficiency combined with high transparency. The particle size distribution in ACEMATT® TS 100/20 is slightly broader than in ACEMATT® TS 100. Thanks to the unique properties ACEMATT® TS 100/20 is particularly suitable for coating systems that are difficult to matt.

Properties and applications

Special application areas include: water-based coatings, waterborne UV coatings, clear coatings, coatings for leather and films, as well as all types of top coats. Coating formulations containing ACEMATT® TS 100/20 show outstanding resistance against household chemicals. ACEMATT® TS 100/20 improves flow behavior and increases storage stability in powder 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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