Matting agent

ACEMATT® HK 440

DESCRIPTION

ACEMATT® HK 440 is an untreated, extremely coarse particle sized precipitated silica. It is especially recommended for base coats, thick-film applications, and general industrial coatings.

KEY BENEFITS

- highly efficient
- very low sheen
- highly suitable for coil coatings

EFFECT

Matting efficiency

Transparency

Viscosity

Smoothness/Haptic

Sedimentation behavior

SUITABILITY

waterborne	solventborne
○	●
radiation-curing	**2-pack coatings**
◐	◐
high solids	**pigmented coatings**
●	●
clear coatings	
○	

○ not suitable ◐ partly suitable ● suitable

TYPICAL APPLICATIONS

- Coil coatings
- General industrial coatings
- Floor coatings
- Architectural paints

TECHNICAL DATA

DOA absorption	270 ml/100g
Grindometer value	43 µm
particle size, d_{50}	14.5 µm
pH-value	6.0
specific surface area (N_2)	500 m^2/g

RECOMMENDED ADDITION LEVEL

As supplied calculated on total formulation: 1.5 - 5.0 %

PROCESSING INSTRUCTIONS

Addition to the coating as supplied or as a predilution is possible.

HANDLING & 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. Products 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.

MSDS & REGULATORY INFORMATION

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH | Goldschmidtstraße 100, 45127 Essen, Germany | Telefon +49 201 173-2222 Telefax +49 201 173-1939 | www.coating-additives.com

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