

Specialty filler

AEROXIDE® TiO2 P 25

DESCRIPTION

AEROXIDE® TiO2 P 25 is a pure, hydrophilic titanium dioxide (TiO₂) with a very high specific surface area. Due to its unique ratio of Anatase and Rutile crystalline structure it is suitable for many catalytic and especially photo-catalytic applications. In addition, it can be used as very efficient UV filter.

KEY BENEFITS

strong catalytic & photo-catalytic effect

SUITABILITY

waterborne	solventborne
●	●
1-pack coatings	2-pack coatings
●	●
100% system	
●	

● not suitable ● partly suitable ● suitable

TYPICAL APPLICATIONS

- efficient photo-catalyst providing self-cleaning properties in inorganic compositions
- Specialty applications

TECHNICAL DATA

appearance	white solid
delivery form	free-flowing powder
loss on drying	< 1.5 %
pH-value	3.5 - 4.5
SiO ₂ content	< 0.2 %
specific surface area (BET)	35 - 65 m ² /g
tamped density	Approx. 140 g/l

RECOMMENDED ADDITION LEVEL

As supplied calculated on total formulation: 0.5 - 10 %

PROCESSING INSTRUCTIONS

Addition as supplied or as a predilution is possible.

HANDLING & STORAGE

When stored in an original unopened packaging, the product has a shelf life of 24 months from the date of manufacture. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances.

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