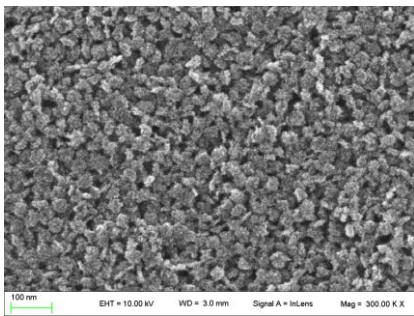
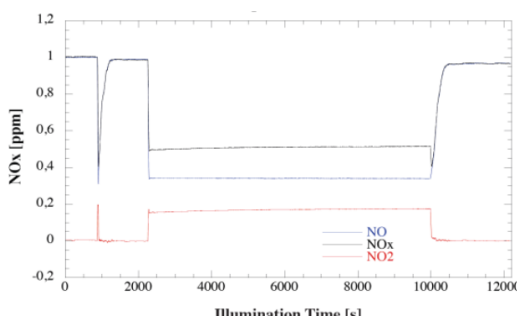


CCA 100 BS

TiO₂ - Photocatalyst

CCA 100 BS is a stabilized aqueous suspension of ultrafine Titanium dioxide (TiO₂) with an excellent photocatalytic activity in presence of natural or artificial UV light. Our particle design technology is the basis for the premium product performance in a wide range of applications.

Properties	Designed and optimized for the use as a photocatalyst: ▪ Ultrafine TiO₂ without pigmentary properties. ▪ Highly stabilized, neutral pH, white aqueous suspension. ▪ Anatase crystal structure. ▪ Degradation of organic and inorganic molecules under UV light. ▪ Recommended for applications with a neutral or basic pH range. ▪ High photocatalytic activity.		
Applications	Main applications are: ▪ Outdoor applications. ▪ Photocatalyst used for self-cleaning effect on various building materials and other surfaces, textile, glass, ceramics, ... ▪ Air and water purification - degradation of NO_x, SO_x, VOC and other organic molecules. ▪ Removing unpleasant odors. ▪ Preventing mold, fungi and algae. ▪ Acting antiviral and antibacterial.		
Product characteristics (typical)	TiO ₂ content	Internal method	20 - 22 %
	Density	Internal method	~ 1.2 g/cm ³
	pH	Internal method	7 - 9
	Crystallite size (Scherrer)	Internal method	~ 10 nm
	Specific Conductivity	Internal method	< 1 mS/cm
	Specific surface area	Internal method	> 250 m ² /g
	Typical photocatalytic activity	ISO 22197-1*	30.2 mg NO/m ² h
* Measurements were performed by Institut für Technische Chemie (Hannover, Germany). A value more than 5.0 mg NO/m ² h can be regarded as a very good degradation efficiency			
SEM image & Performance chart	 SEM image of the CCA 100 BS  NO degradation rate (ISO 22197-1): 30.2 mg NO/m²h*		

Technical Data Sheet

Packaging & Handling	▪ Available in 50 L (60 kg) or 150 L (170 kg) plastic drums. ▪ Handling in accordance with the CCA 100 BS Safety Data Sheet. ▪ Shelf life: 4 years from the date of production. ▪ When stored, avoid freezing and overheating. ▪ Be sure to mix before use (after mixing viscosity will be lower).
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The information provided in this Technical Data Sheet (TDS) is, to the best of our knowledge. Since the conditions of use are beyond our control no warranty is given or to be implied of such information.