## ISO 21066:2018 (E)

Fine ceramics (advanced ceramics, advanced technical ceramics) — Qualitative and semiquantitative assessment of the photocatalytic activities of surfaces by the reduction of resazurin in a deposited ink film

## **Contents**

		Foreword	
1		Scope	
2		Normative references	
3		Terms and definitions	
4		List of symbols, abbreviations and units	
5		Principle	
	5.1 5.2 5.3	General Qualitative test method (three samples) Semiquantitative test method (eight samples)	
6		Apparatus	
	6.1 6.2 6.3 6.4 6.5	Coating device UV-radiation light source UV radiometer Irradiation system Digital imaging device and analysis software	
7		Materials	
	7.1 7.1.1 7.1.2 7.2		
8		Test sample	
	8.1 8.2 8.3	Preparation of test samples Cleaning of test samples Coating test samples with Rz ink	
9		Procedure for the qualitative assessment of activity	
	9.1 9.2	General Procedure	
10		Procedure for the semiquantitative assessment of activity	
	10.1 10.2 10.3 10.4	Procedure Digital image (RGB) analysis (for one sample)	
		Test report	
	11.1 11.2		
Annex	Α	(informative) Example of Rz ink qualitative test report on samples of a commercial type of photocatalyst-based, self-cleaning glass	
Annex	В	(informative) Example of Rz ink semiquantitative test report on samples of a commercial typo of photocatalyst-based, self-cleaning glass[8]	

Page count: 18