

Overview of coatings and functions

Plastics, paper, textile, leather

	plastics	acrylic	PET-film	TCO coated glasses	paper	textile mat.	leather
anti-fingerprint			x				
anti-graffiti	x						
anti-scratch/abrasion-proof	x	x	x		x	x	x
anti-microbial	x		x		x	x	x
anti-reflex		x		x ²			
anti-static	x		x			x	
anti-dust	x ¹	x ¹	x				
anti-drop	x						
barrier 1 ³	x		x		x		
barrier 2 ⁴	x				x		
easy-to-clean	x	x	x				x
electrochromic coatings				x			
ORMOCER® coatings in color							
High-temperature coatings ⁵						(x)	
hydrophilic	x	x	x	x ²			
hydrophobic	x	x	x		x	x	x
Corrosion protection with chromium VI substitute							
Corrosion protections above 600°/700° C							
photocatalytic coatings	x	x					

¹ with limitations due to low abrasion resistance

² optical adaption to TCO coatings required

³ to gases, fumes, plasticizer, aromatic substances and monomers that migrate

⁴ to oil and fat

⁵ can be coated in dependence of substrate's temperature resistance

Special coatings:

1. dust-repellant layers as spray-coating without high temperature hardening eg. for pv applications
2. anti-soot coatings for aluminium recuperator in condensing boilers
3. (colored) layers for process control and as process auxiliary agent during production
4. protective layers for glass and optical polymer fibers

All coatings are tin table.

All ORMOCER® coatings are more scratch-resistant than polymer-organic functional coatings.

For advice and further information please contact:

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All material systems can be produced in license

Coatings and functions

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Metal and glass

	high grade steel	steel	alu	copper	glass	TCO coated glass
anti-fingerprint	x				x	
anti-graffiti	x				x	
anti-scratch/abrasion-proof	x		x	x	x	
anti-microbial					x	
anti-reflex					x	x ²
anti-static						
anti-dust	x	x	x	x	x	
anti-drop	x	x	x		x	
barrier 1 ³						
barrier 2 ⁴						
easy-to-clean	x	x	x	x	x	
electrochromic coatings						x
ORMOCER® coatings in color	x	x	x		x	
High-temperature coatings ⁵	x	x	(x)	(x)	(x)	
hydrophilic					x	x ²
hydrophobic	x	x	x	x	x	
Corrosion protection with chromium VI substitute		x	x	x		
Corrosion protections above 600°/700° C		x				
photocatalytic coatings		x			x	

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