



Stainless Nanocoat

Arceo

Properties and composition	Transparent hard and flexible protective coating on stainless steel	<ul style="list-style-type: none"> • Anti-fingerprint and easy to clean • Outstanding staining resistance • Extremely scratch resistant • Exceptional temperature behaviour
Applications	Ideal for kitchen equipment, domestic appliances (Hot, Cold and Wet) and internal architecture	
Description	Substrate	Brushed ferritic and austenitic stainless steels
	Coating Thickness	2 µm
	Composition	Top: 2 µm topcoat Back: nothing or on request
	Gloss (Gardner 60°)	≥80 GU on brushed stainless steel
	Colours	Transparent coating
	Temporary protection	Self adhesive film
Performances	Resistance to cracking on bending	≤ 1 T
	Impact resistance	18 J
	Surface "pencil" hardness	≥ 2H
	Clemen	+/- 2 kg
	Salt spray test (240h)	No blistering
	QCT (500h – CPI2)	No blistering
	Hot water test	No blistering after 1 hour
	Cyclic Heat Resistance	ΔE<2 at 120°C
	Foodstuffs resistance	Good to very good (at 25°C and 90°C)
	Resistance to cleaning agents	Good to very good
	Resistance to acids and bases	Good to very good
	Resistance to solvents:	
	• Aliphatics and alcohols	Good to very good
	• Ketones	Low
• Aromatics	Good to very good	
Print ability	Generally good, but to be tested by customer	
Resistance to mineral oil	Good	
Remarks	<ol style="list-style-type: none"> 1) This thin transparent coating is not a classical coil coating paint and some classical tests for organic coating are not relevant 2) The performances indicated are averages and may vary in particular according to the type of support used. These data are not contractual and may be amended in line with technological progress relating to the product 	