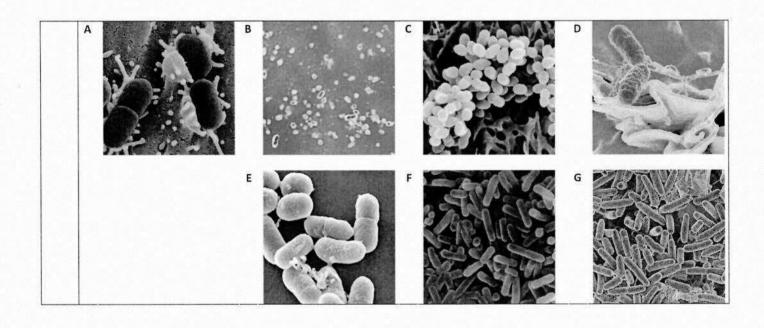


ANTIBACTERIAL PRE-COATED STEEL TECHNICAL FEATURES

COMPOSITION	
Standard metal support Continuously hot-dip zinc coated le	low carbon for cold forming, type DX51D (UNI EN 10346:June 2009)
Other available metal summerts	
	content (LINI EN 10130-2000)
	stainless steels (UNI EN 10088-1/97)
Adhesive	
Coating • Anti-hacterial rigid polywinylchlorid	Na (PVC) Phthalatas frag
	food and substances for personal use according to the Ministerial Decree 21 st March 1973 a ropean Standards 78/142/CEE, 80/766/CEE, 82/711/CEE, 85/572/CEE, 90/128/CEE, 92/39CEE
Upon request Back coat primer on the revers side for helping the polyurethane foam adhesion to the metal support Temporary protection film	
duct composition	
	Protective film
	Sanisteel® film
	Adhesive
	Surface treatment
	Zinc
	Metallic support
	Zinc
	Surface treatment
du	Continuously hot-dip zinc coated lotter available metal supports Cold-rolled steel with low carbon Aluminium, alloy EN AW-3103 [Al Stainless steel – Part 1. List of the Adhesive Coating Antibacterial rigid polyvinylchloricy This film is suitable for contact with subsequent updatings and to the Eu Upon request Back coat primer on the revers side Temporary protection film

	TEST	NORM	RESULT
2.1	Coating nominal thickness	> PVC rigid film	100 μ - 200 μ
		> Thickness tolerance	± 7%
2.2	Adhesion after 6mm drawing depth	ECCA T6	No film detachment
2.3	Resistance to bending	ECCA T7 [1996]	ит
2.4	Resistance to rapid deformation	sistance to rapid deformation ASTM D 2794-93 (weight 2 Kg; height of fall 90 cm) No detachment and breaking	
2.5	Resistance to salt spray fog	ECCA T8:1996 - ASTM B 117-95	
		> Cold-rolled support	200 hours
		Hot-dip zinc support	500 hours
2.6	Resistance to 100% relative humidity	ASTM D 2247-94	1000 hours
2.7	Pencil hardness	ECCA T4:1995 - ASTM D 3363-92a	НВ
2.8	Stain resistance after 16 h	ECCA T18 [1995] proc. 5.1 - ASTM D 1308-87	
	Reagents	Butter, margarine, vegetable oil, vinegar, fresh and conserved tomato, strawberries, coffee, tea, solution at 5% of NaOH, solution at 5% of surface active agents, lubricating oil and grease, solution at 10% of citric, lactic and tartaric acid, oleic acid, spinach, lemon juice, mustard, Cif cream, Cif liquid, Lysoform liquid.	Presence of marks or stains on the are in contact with fresh tomato and coffed
2.9	Brightness at 60°	ECCA T2 [1995] - ASTM D 523-89	
		> Finishing SA	45 ± 5
		> Finishing SMA	25 ± 5
		> Finishing GMA	15 ± 5
		> Finishing PVA	30 ± 5
	Note: gloss value may be affected by e	embossing degree	
2.10	Artificial light fastness	ASTM G53-96	> 6
	Temperature	55 ± 3	
	• Lamps	UV - A 340	
	Cycle	Irradiance only	
	Reference	International Blue Scale	
.11	Taber abrasion resistance	ASTM D4060-95	
	Index of abrasion after 1000 cycles	➤ Finishing SA	13 – 14
	with mole type CS10, weight 500 g	Finishing SMA	10 – 12
	per mole	> Finishing PVA	5-8

3.	ANTIBACTERIAL ACTIVIT	ny dia mandra dia mand			
3.1	Norms	ISO 22196:2007 - ASTM E 218	ISO 22196:2007 - ASTM E 2180-07 - JIS Z 2801		
	Bacterial strains	 Escherichia Coli Klebisella pneumonie Staphylococcus aureus Salmonella typhimurium Listeria monocytogenes Legionella pneumophila Pseudomonas aeruginosa 	(A) (B) (C) (D) (E) (F) (G)	ATCC8739 ATCC10031 ATCC15442 ATCC6538 ATCC13311 ATCC19117 ATCC43108	satisfy all the norm requirements, showing a great antibacterial action



4.	MAINTENANCE OF COATED STEEL		
4.1	Cleaning	 We recommend cleaning with soft water and neutral detergents, rinsing with care and drying the surface with a soft cloth. Avoid the use of abrasive products. 	
4.2	Little stains removal	 Little stains on the surface can be removed with mineral spirit or denaturated alcohol. Stains caused by the substances absorption (such as nail varnish, lipstick, shoe polish, ink, tar) cannot be eliminated. 	
	The second second control of the second second control of the second sec	avoid solvents such as acetone, toluene, ethylacetate, thrichloroetylene, perchloroetylene. These sive action on the PVC film.	

5.	REPARING OR PAINTING OF SANISTEEL® COATED STEEL		
5.1	Preliminary operations	Before applying the enamel, clean the surfaces with neutral detergents diluited with water or denatured alcohol, then rinse with soft water and dry accurately.	
	Usable materials	> To repair or paint the surfaces coated with PVC film, we recommend to use the following products:	
		Water based acrilic enamels (for repairing or painting).	
		Bi-component polyurethane enamels with volatile solvents (for reparing).	
	Note: the subsequent repart	ing or painting may restrain the antibacterial action	

6.	STORAGE AND PROCESSING ADVICES		
6.1	Storage	 pre-coated steel, both sheets and coils, must be stored in a close, covered and dry place, without sudden changes of temperature, in order to avoid the possibility of condensation. The presence of humidity may trigger a corrosion process dangerous for steel and its coating, but also for the adhesion of polyurethane. Material covered with the adhesive film for temporary protection must be stored away from heat sources and sun rays. 	
6.2	Processing	 pre-coated steel should be processed within 6 months from shipment with the most suitable equipment in order to avoid abrasions of the film surface and/or braking of the same that may compromise its antibacterial action. Bending and roll forming machines should consider, besides the final thickness of pre-coated steel, also possible tolerances to avoid re-rolling processing. We recommend not to process our material at a temperature lower than 18°C. 	