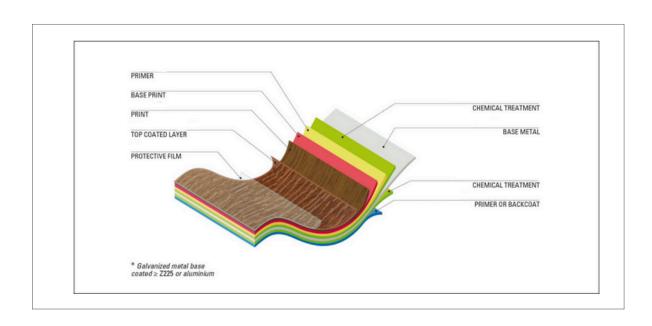


TECHNICAL FEATURES





Super polyester pre-painted support





CAP HD+

is the new and innovative product that revolutionizes the market of pre-coated steel. Our research and development department has developed an organic coating with exceptional technical features and extraordinary aesthetic qualities. The base metal, aluminium or hotdip galvanised steel (zinc coating minimum Z225) which constitutes the support of the product, is firstly treated chemically. Several layers of polyester paint are subsequently applied on the basis of the final product. The product can be of solid colour or printed. The total thickness of the organic coating can reach 50 microns. The printed coating simulates complex materials such as a wood, wall, cotto tile or Cor-ten effect.

METALLIC SUBSTRATES

Hot-dip galvanised steel (zinc coating minimum Z225) with guarantee

Aluminium (with guarantee)

	COATING OF	UPPER FACE
	Solid colour Printed	25-35 µm organic coating 30-50 µm organic coating Self-adhesive protection film available
		only on some finishes (To be removed as soon as possible and in any case within 6 months from the date of production CAP Srl). Protection Films not applicable on finishes 108 and 122. In the absence of a protective film, the customer assumes the responsibility for any pressure marks and small defects arising from your production process. The suitability of the protective film for its production process / finished product must be confirmed by the customer through specific tests.
ĺ	BACKSIDE C	OATING
		3-5 micron thick primer, suitable for foaming/gluing with PUR or glues (all foaming/gluing tests have to be performed by the customer and are on his behalf)
	On request:	- Coloured backing-coat 10-12 micron (+/- 2 μ) - 10 micron thick primer, please do refer to what mentioned in UNI EN 10169.

LATE A CLUDEN AFRITO	
MEASUREMENTS	
Substrate thickness	From 0.30 to 2 mm
Substrate aluminium th.	From 0.50 to 2 mm
Max. coil size	1500 mm
Min. coil size	700 mm
Coil ID	500 mm
Max. strip width	1500 mm
Min. strip width	19 mm
Max. sheets size	1500 x 6000 mm

[#] minimum thickness x sheet cutting process 0.45mm



GENERAL FEATURES		Test standards	Test results				
CG.1	CG.1 Colour		Colour consistency cannot be instruments but only visually-uniformity it is advisable to wo manufacturing campaigns	-to obtain a better			
		Tinte unite Solid colours	□ BEIGE/GREEN/WHITE : DE MAX 1 □ BLACK/BLUE/BROWN/GRAY: DE MAX 2 □ ORANGE/RED/YELLOW : DE MAX 2 □ MET (metalizzati) : solo controllo visiv uniformita' vernice. Only visual contro				
CG.2	Gloss level	UNI EN 13523-2	Range gloss ≤ 10 >10 ≤ 20 >20 ≤ 40 >40 ≤ 60 >60 < 80 □ 80	matt low gloss satin semi-gloss gloss high-gloss			
CG.3	Maximum temperature range for end use	-20 °C + 70 °C	No significant change				

МЕСНА	NICAL FEATURES		Test standards	Test results				
CM.1	Adhesion after drawing 6 mm		UNI EN 13523-6	Good				
CM.2	Adhesion after cupping (all products)		UNI EN 13523-7	≥IT				
CM.3	Pencil hardness		UNI EN 13523-4	F-H				
CM.4	Resistance to cracking on bending (T-bend test)	cking on bending (T-bend test)						
	Hot-dip galvanised steel	Thick	kness ≤ 1 mm	≥2 T free of cracks				
	Hot-dip galvanised steel	Thick	kness > 1 mm	≥3 T free of cracks				
	Aluminium	Thickr	ness ≤1,20 mm	≥2 T free of cracks				
	Aluminium	Thickr	ness ≤1,20 mm	≥2 T free of cracks				
	Aluminium	Thic	kness ≤2 mm	not given gurantees				
	Aluminium	Thic	kness ≤1 mm	≥2 T free of cracks				
	Aluminium	Thic	kness ≤2 mm	not given gurantees				
CM.5	Surface scratch resistance	•	UNI EN 13523-16	Weight loss 30-35 square mm				
СМ.6	5		UNI EN 13523-5	16 J no visible cracks using a magnifying lens 10x				

(*)In order to avoid possible problems of colour consistency while manufacturing a single order, it is advisable not to use coils coming from different batches.



(**) Test results refer to quality, alloy and hardness of aluminium as shown by Capital. Results relating to other materials/quality have to be agreed upon and specified at the time of the order. In case of materials supplied for subcontracting, the tests must be agreed between the parties. Unless otherwise agreed, the bending test is carried out vertically along the rolling direction.

СНЕМІС	AL-PHISYCAL FEATURES	Test standards	Test results				
CCF.1	Resistance to fluorescent UV light and water condensation	UNI EN 13523-10	D : 200% 51				
		Printed	Residual gloss > 80% of the baseline UV resistance category RUV 4 2000 h UVA 340				
		Solid colours	Residual gloss > 50% of the baseline UV resistance category RUV 3 Non ci sono perdite di adesione o bolliture				
CCF.2	Resistance to water	UNI EN 13523-9	No loss of adhesion or bubbles				
CCF.3	Corrosion resistance	UNI EN 13523-8					
	Hot-dip galvanised steel ,zinc coating minimum Z225 Aluminium		500 h creepage max 2 mm no blisters				
			1000 h without penetration				
CCF.4	Resistance at 100% relative humidity		1.000 h no blisters				
	Hot-dip galvanised steel	UNI EN 13523-26	1.000 h no blisters				
Aluminium			1.000 h no blisters				

(***) Test results refer to the quality of aluminium as shown by Capital. Results relating to other materials/quality have to be agreed upon by the parties. In case of materials supplied for subcontracting, the tests must be agreed between the parties.

CERTIF	CATIONS	Test norms	Test results
CER.1	Reaction to fire classification for building products	EN 13501	Classification A1
CER.2	Marine Equipment Certification according to European MED Directive	European Directive 2014/90/EU	Certificate MED B and MED D

CLEAN	IING INSTRUCTIONS FOR CAP HD+		
P.1	General rules	P.2	Removal of small stains
	In order to clean the surface please use only water and neutral soap. It's advisable to use a soft cloth, rinsing and drying up the surface with care. Please avoid using cleaning agents containing abrasive particles.		Surface stains can be removed using mineral turpentine or denatured alcohol.



WAREI	HOUSING AND PROCESSING CAP HD+
D.1	Coils or pallets of precoated materials should be stored under a roof and in places not subject to big changes of temperature in order to avoid the possibility of condensation.
D.2	Materials protected with peeling film for temporary protection must be placed far away from heat/humidity sources and not exposed to direct solar rays. The protective peeling film should anyway be removed within and not later than 6 months from mill's manufacturing date.
D.3	During transport the material must be protected from moisture and condensation. It must be loaded on vehicles in such a way as to ensure protection from collisions, abrasions and overturning.
L.1	Precoated materials should be preferably utilized (within six months from reception) and using appropriate machines to avoid abrasions, scratch, cuts, marks on the film surface and/ or cracks of the same or even of the zinc layer.
L.2	During rollforming or bending it is necessary that the tools should contemplate not only the thickness of the material itself but also the possible tolerances so as to avoid relaminations.
L.3	As far as flatness of strips and coils is concerned, please do refer to what mentioned in UNI EN 10143.
L.4	The ideal temperature at which materials must be formed or bent or punched should be around 18° C.

Production range:

Cold rolled steel Electrogalvanized steel HDG steel		Thickness (mm)										
		0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	2.0
	700/800	•	•	•	•	•	•	•	•	•	•	•
	800/900	•	•	•	•	•	•	•	•	•	•	•
Œ	900/1000	•	•	•	•	•	•	•	•	•	•	•
m) r	1000/1100	•	•	•	•	•	•	•	•	•	•	•
Width (mm)	1100/1200	•	•	•	•	•	•	•	•	•	•	•
>	1200/1300	•	•	•	•	•	•	•	•	•	•	
	1300/1400		•	•	•	•	•	•	•	•		
	1400/1500		•	•	•	•	•	•	•	•		



Stainles	Stainless steel		111101111000 (11111)									
			0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	2.0
	700/800		•	•	•	•	•	•	•	•	•	
	800/900		•	•	•	•	•	•	•	•	•	
<u></u>	900/1000		•	•	•	•	•	•	•	•	•	
Width(mm)	1000/1100		•	•	•	•	•	•	•	•	•	
idth	1100/1200		•	•	•	•	•	•	•	•	•	
>	1200/1300		•	•	•	•	•	•	•	•		
	1300/1400			•	•	•	•	•	•	•		
	1400/1500			•	•	•	•					
Alumin	ium	Thickness (mm)										
, ""		0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5	2.0
	700/800			•	•	•	•	•	•	•	•	•
	800/900			•	•	•	•	•	•	•	•	•
	900/1000			•	•	•	•	•	•	•	•	•
<u></u>	1000/1100			•	•	•	•	•	•	•	•	•
mm)	1100/1200			•	•	•	•	•	•	•	•	•
Width (mm)	1200/1300			•	•	•	•	•	•	•		
Ň	1300/1400				•	•	•	•	•	•		
	1400/1500				•	•	•	•	•	•		

If the processing carried out does not comply with the parameters indicated, the customer assumes responsibility for the processing carried out.

cceptance	
Pate :	
ompany stamp :	
lame and signature of the authorised person :	