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vestis

prepainted aluminium VESTIS

TECHNICAL DATA SHEET – August 2020

GENERAL DESCRIPTION	
Description	High resistance prepainted aluminium with excellent workability, for standing seam, profiling, rainwater system and cladding.
Applications	Roofs, facades and rainwater systems.

CERTIFICATIONS	
Reference standard	UNI EN 14783
CE	Vestis is a CE certified product (thick. 0,70 mm)

TECHNICAL CHARACTERISTICS	
Reference standard	UNI EN 1396
Alloy	3005 series
Temper	H41

DIMENSIONAL CHARACTERISTICS		
Reference standard	UNI EN 485-4	
	Vestis for standing seam	**Vestis for standing seam, cladding, profiling and rainwater system**
Standard thickness	0,70 mm (+/-0,06)	0,80 mm (+/-0,06) - 1,00 mm (+/-0,06)
Standard widths	500 mm / 650 mm / 1000 / 1300 mm	1000 mm / 1200 mm / 1250 mm
Coil weight	from 75 kg till 3000 kg	from 75 kg till 3000 kg

CHEMICAL COMPOSITION (by weight -%)								
Reference standard	UNI EN 573-3							
Elements	**Si**	**Fe**	**Cu**	**Mn**	**Mg**	**Cr**	**Zn**	**Ti**
Min.				1.0	0.2			
Max.	0.7	0.8	0.30	1.5	0.6	0.10	0.40	0.10

MECHANICAL PROPERTIES		
Reference standard	UNI EN 485-2	
Yield strength Rp0,2 (MPa)	**Tensile strenght Rm (MPa)**	**Elongation A50 (%)**
Min. 80	130-180	Min. 8

Mazzonetto S.p.A.

Z.I. Via A. Ceccon, 10
35010 Loreggia (PD)

T +39 049 9322611
F +39 049 9322650

W mazzonettometalli.it
M mazzonetto@mazzonettometalli.it

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PRODUCT CHARACTERISTICS			
Test	**Reference standard**	**Vestis for falz roofs**	**Vestis for facades cladding, profiling and rainwater system**
Color coating measurement	EN 13523-3	ΔE max 1,2, light and viewing angle 45º / 0º	ΔE max 1,2, light and viewing angle 45º / 0º
Coating adhesion after indentation (cupping test)	EN 13523-6	GT0	GT0
Bending test	EN 13523-7	T1	T1
Corrosion resistance	EN 13523-8	Minimum 2	Minimum 2
UV resistance class	EN 13523-10	RUV4	RUV4
Fire reaction class	EN 13501	A1	A1

COATING CHARACTERISTICS			
	Reference standard	**Vestis for falz roofs**	**Vestis for facades cladding, profiling and rainwater system**
A side coating VESTIS K2	EN 13523-1	35 µm K2 (± 3 µm) Smooth surface	35 µm K2 (± 3 µm) Smooth surface
A side coating VESTIS 3D	EN 13523-1	35 µm 3D (± 3 µm) Textured surface	35 µm 3D (± 3 µm) Textured surface
B side coating	EN 13523-1	20 µm polyester (± 3 µm) Testa di Moro	20 µm / 25 µm polyester (± 3 µm) Matching colour

COATING CHARACTERISTIC: GLOSS		
	Reference standard	**Vestis**
Copper roof	EN 13523-2	15 GU (± 2 GU)
Grey roof	EN 13523-2	15 GU (± 2 GU)
Green roof	EN 13523-2	15 GU (± 2 GU)
RAL 7016	EN 13523-2	30 GU (± 2 GU)
RAL 9006	EN 13523-2	30 GU (± 2 GU)
Testa di moro brown	EN 13523-2	30 GU (± 2 GU)
RAL 7037	EN 13523-2	30 GU (± 2 GU)
RAL 9010	EN 13523-2	30 GU (± 2 GU)
RAL 9005	EN 13523-2	30 GU (± 2 GU)
Graphite black	EN 13523-2	5 GU (± 2 GU)
Quartz grey	EN 13523-2	5 GU (± 2 GU)
Agate grey	EN 13523-2	5 GU (± 2 GU)
Slate grey	EN 13523-2	5 GU (± 2 GU)
RAL 7016 3D	EN 13523-2	5 GU (± 2 GU)
Dolomites grey 3D	EN 13523-2	5 GU (± 2 GU)
RAL 7037 3D	EN 13523-2	5 GU (± 2 GU)
Testa di moro brown 3D	EN 13523-2	5 GU (± 2 GU)
Cortex 3D	EN 13523-2	5 GU (± 2 GU)

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COATING CHARACTERISTIC: SOLAR REFLECTANCE		
	Total Solar Reflectance TSR	**Solar Reflective Index SRI**
Reference standard	ASTM E903	ASTM E1980
Copper roof	34 %	36
Grey roof	23 %	21
Green roof	24 %	23
RAL 7016	7 %	1
RAL 9006	54 %	65
Testa di moro brown	7 %	1
RAL 7037	19 %	16
RAL 9010	76 %	94
RAL 9005	4 %	-2
Graphite black	7 %	1
Quartz grey	34 %	35
Agate grey	18 %	15
Slate grey	12 %	7
RAL 7016 3D	6 %	2
Dolomites grey 3D		
RAL 7037 3D	20 %	2
Testa di moro brown 3D	7 %	1
Cortex 3D		

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prepainted aluminium VESTIS Gold

TECHNICAL DATA SHEET – February 2021

GENERAL DESCRIPTION	
Description	High resistance prepainted aluminium with excellent workability, for standing seam, profiling and cladding.
Applications	Roofs and facades.

TECHNICAL CHARACTERISTICS	
Reference standard	UNI EN 1396
Alloy	3005 series
Temper	H41

DIMENSIONAL CHARACTERISTICS	
Reference standard	UNI EN 485-4
Standard thickness	0,80 mm (+/-0,06)
Standard widths	1200 mm
Coil weight	from 75 kg till 3000 kg

CHEMICAL COMPOSITION (by weight -%)								
Reference standard	UNI EN 573-3							
Elements	**Si**	**Fe**	**Cu**	**Mn**	**Mg**	**Cr**	**Zn**	**Ti**
Min.				1.0	0.2			
Max.	0.7	0.8	0.30	1.5	0.6	0.10	0.40	0.10

MECHANICAL PROPERTIES		
Reference standard	UNI EN 485-2	
Yield strength Rp0,2 (MPa)	**Tensile strenght Rm (MPa)**	**Elongation A50 (%)**
Min. 80	130-180	Min. 8

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PRODUCT CHARACTERISTICS		
Test	**Reference standard**	
Color coating measurement	EN 13523-3	ΔE max 1,2, light and viewing angle 45º / 0º
Coating adhesion after indentation (cupping test)	EN 13523-6	GT0
Bending test	EN 13523-7	T1
Corrosion resistance	EN 13523-8	Minimum 2
UV resistance class	EN 13523-10	RUV3
Fire reaction class	EN 13501	A1

COATING CHARACTERISTICS		
	Reference standard	
A side coating	EN 13523-1	20 µm (± 3 µm)
B side coating (light gray colour)	EN 13523-1	5 µm (± 1 µm)

COATING CHARACTERISTIC: GLOSS		
	Reference standard	
Gold	EN 13523-2	4 GU (± 2 GU)

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