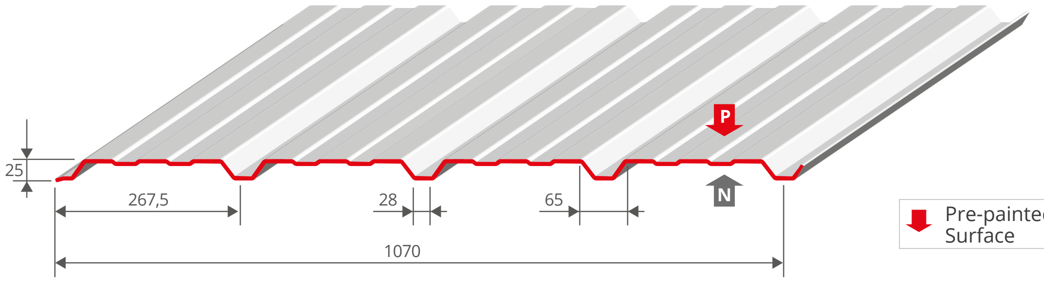
FACADEO 4.25



Pre-painted Surface

THICKNESS mm	WEIGHT kg/m²
0.63	5.64
0.75	6.71

STANDARD COATINGS ›

Steel S 320 GD	Thickness mm	Standards
Galva	0.63/0.75	NF EN 10346 / NF P 34-310
Polyester 25µ/35µ	0.63/0.75	NF EN 10169 / NF P 34-301
Other coatings	on request	NF EN 10169 / NF P 34-301

BUREAU VERITAS

TEST REPORT › NO. 1186325/1F

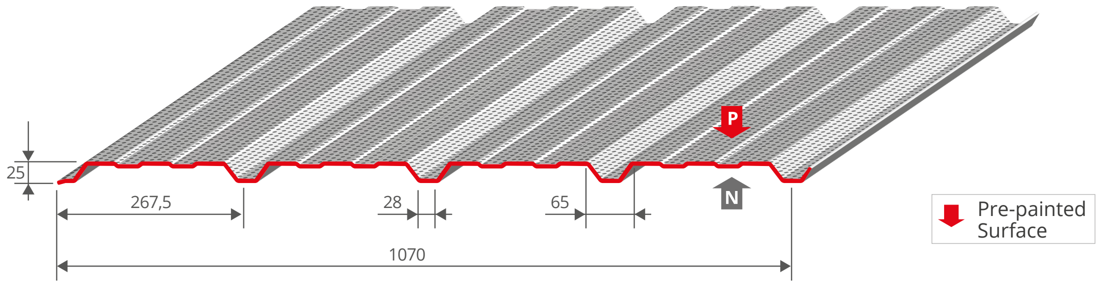
Deflection tests according to NF P 34-503 of November 1995. Professional rules for the manufacture and installation of metal cladding (January 1981 - 2nd edition)

LOAD TABLE IN daN/m² ACCORDING TO USE SPANS › fy: 320MPa - nominal thicknesses in mm

PRESSURE (single span)		PRESSURE (two spans)		USE SPANS m	DEPRESSION (single span)		DEPRESSION (two spans)	
0.63	0.75	0.63	0.75		0.63	0.75	0.63	0.75
176				**1.30**	202			
160	190			**1.35**	182	217		
146	174			**1.40**	165	196		
134	159			**1.45**	150	178		
123	146	193		**1.50**	137	163	212	
113	135	180	215	**1.55**	125	149	198	236
105	124	169	201	**1.60**	115	137	186	224
97	115	159	189	**1.65**	106	126	175	208
90	107	1479	178	**1.70**	97	116	164	195
84	100	141	168	**1.75**	90	107	154	183
79	94	133	158	**1.80**	83	99	145	172
74	88	126	150	**1.85**	77	91	136	162
69	82	119	142	**1.90**	71	85	129	153
65	77	113	134	**1.95**	66	79	121	145
61	73	107	127	**2.00**	61	73	115	137
58	69	101	120	**2.05**	57	68	108	128
55	65	96	114	**2.10**	54	64	101	120
52	62	91	108	**2.15**	50	60	95	113
49	58	86	103	**2.20**	47	56	89	106
47	55	82	97	**2.25**	44	53	84	100
44	53	78	93	**2.30**	41	49	80	95
42	50	74	88	**2.35**	39	46	75	90
40	48	70	84	**2.40**	37	62	71	85
		67	80	**2.45**			67	80
		64	76	**2.50**			64	76
		60	72	**2.55**			61	72
		57	67	**2.60**			58	69
		53	63	**2.65**			55	66
		50	59	**2.70**			52	62
		47	56	**2.75**			50	60
		44	52	**2.80**			48	57
		41	49	**2.85**			46	54
		39	46	**2.90**			44	52

Seismic validation: CTSB study report DCC / CLC_12_229_1 dated 25/02/2013

FACADEO 4.25 PERFORATED



Perforated option

STANDARD COATINGS ›

Steel S 320 GD	Thickness mm	Standards
Galva	0.63/0.75	NF EN 10346 / NF P 34-310
Polyester 25µ/35µ	0.63/0.75	NF EN 10169 / NF P 34-301
Other coatings	on request	NF EN 10169 / NF P 34-301

TEST REPORT › AE - 17-103
Aerodynamic tests
According to standards XP G39-100 1 and 3

SURFACE MULTIPLICATION FACTOR ›

The factor is used to determine the cladding surface to ensure the same flow rate as 1 m² clear opening.

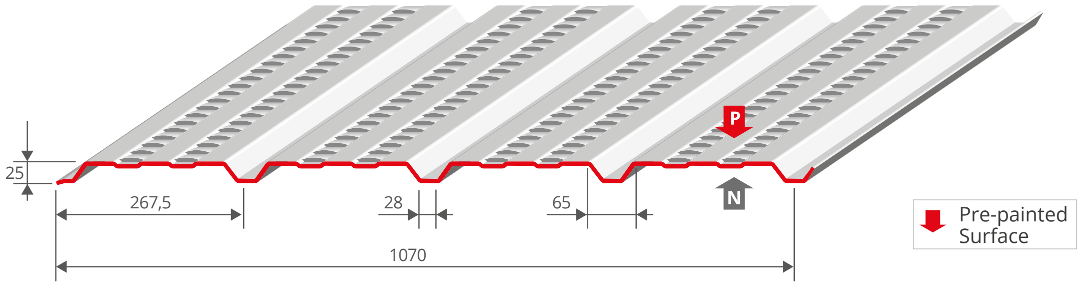
Outer surface	Average MF
Surface P	4.41
Surface N	4.56

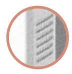
Tests carried out for output velocities of 0.2 – 0.3 – 0.4 – 0.5 – 0.8 – 1 and 1.3 m/s.

WIND EFFICIENCY ›

Outer surface	Initial velocity	E
Surface P	5 m/s	82.10%
	10 m/s	82.00%
	23 m/s	82.30%
Surface N	5 m/s	83.60%
	10 m/s	83.30%
	23 m/s	83.10%

FACADEO 4.25 VENTS





Vent option

STANDARD COATINGS ›

Steel S 320 GD	**Thickness** mm	**Standards**
Galva	0.63/0.75	NF EN 10346 / NF P 34-310
Polyester 25µ/35µ	0.63/0.75	NF EN 10169 / NF P 34-301
Other coatings	on request	NF EN 10169 / NF P 34-301

TEST REPORT › AE - 17-104
Aerodynamic tests
According to standards XP G39-100 1 and 3

SURFACE MULTIPLICATION FACTOR ›

The factor is used to determine the cladding surface to ensure the same flow rate as 1 m² clear opening.

Outer surface	Average MF
Surface P	8.91
Surface N	9.29

Tests carried out for output velocities of 0.2 – 0.3 – 0.4 – 0.5 – 0.8 – 1 and 1.3 m/s.

WIND EFFICIENCY ›

Outer surface	Initial velocity	E
Surface P	5 m/s	86.30%
	10 m/s	85.90%
	23 m/s	86.20%
Surface N	5 m/s	86.80%
	10 m/s	87.00%
	23 m/s	86.90%