CADENCE RANGE

SQUARE COLLECTION

REGISTERED DESIGNS

30-YEAR WARRANTY

FIRE : A1
IMPACT : Q4

TRADITIONAL INSTALLATION METHOD

MADE IN FRANCE

DWG, BIM, SKETCHUP FILES TO DOWNLOAD ON OUR WEBSITE

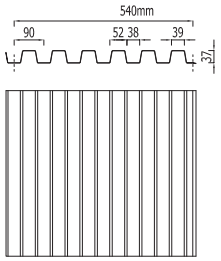
Coating	Norm
hot-dip galvanized	NF EN 10346
Polyester 35µ THD	Coil coating EN 10169
Polyurethane 50µ	Coil coating EN 10169
Powder-coating 60µ	
Other coating	Upon request

Max length of panels :
8000mm

Find out all available colors in our ATELIERS 3S *color chart*

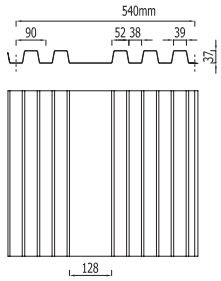
CADENCE C1 PROFILE (540C 6)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	10.47



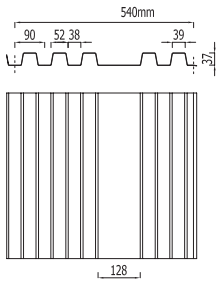
CADENCE C2 PROFILE (540C 2.3)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	9.80



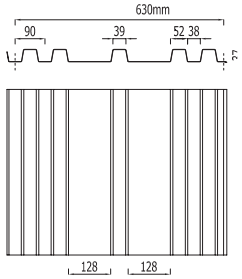
CADENCE C3 PROFILE (540C 3.2)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	9.80



CADENCE C4 PROFILE (630C 2.1.2)

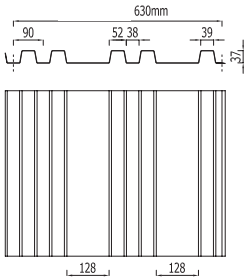
Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	9.24



The Cadence range metal sheets are non-structural sheets according to standard NF EN 14782:2006, as per RAGE Professional Recommendations for Cladding of July 2014, not intended to receive PPE anchoring devices according to EN 795 standard or lifelines.

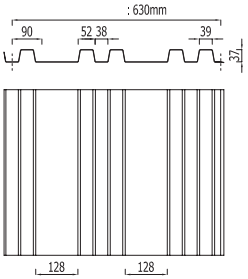
CADENCE C5 PROFILE (630C 2.2.1)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	9.24



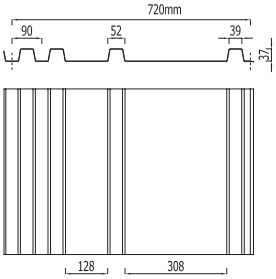
CADENCE C6 PROFILE (630C 1.2.2)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	9.24



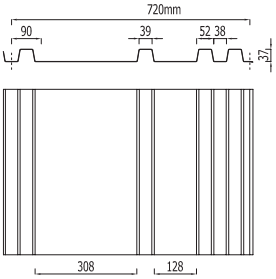
CADENCE C7 PROFILE (720C 2.1.1)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	8.33



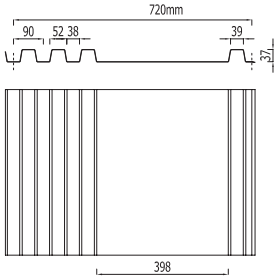
CADENCE C8 PROFILE (720C 1.1.2)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	8.33



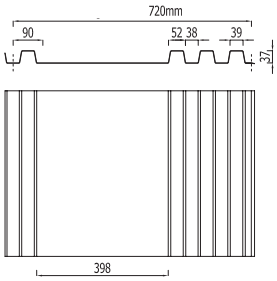
CADENCE C9 PROFILE (720C 3.1)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	8.33



CADENCE C10 PROFILE (720C 1.3)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	8.33



The Cadence range metal sheets are non-structural sheets according to standard NF EN 14782:2006, as per RAGE Professional Recommendations for Cladding of July 2014, not intended to receive PPE anchoring devices according to EN 795 standard or lifelines.

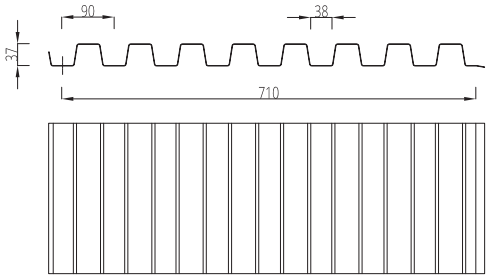
CADENCE RANGE
XL SQUARE COLLECTION

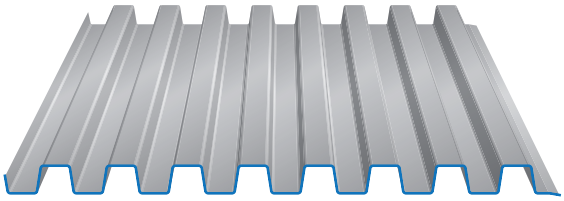
Maximum panels length : 13 000 mm
WARNING : the XL profiles are not compatible with the COLLECTION profiles

The Cadence range metal sheets are non-structural sheets according to standard NF EN 14782:2006, as per RAGE Professional Recommendations for Cladding of July 2014, not intended to receive PPE anchoring devices according to EN 795 standard or lifelines.

Coating	Norm
hot-dip galvanized	NF EN 10346
Polyester 35µ THD	Coil coating EN 10169
Polyurethane 50µ	Coil coating EN 10169
Powder-coating 60µ	
Other coating	Upon request

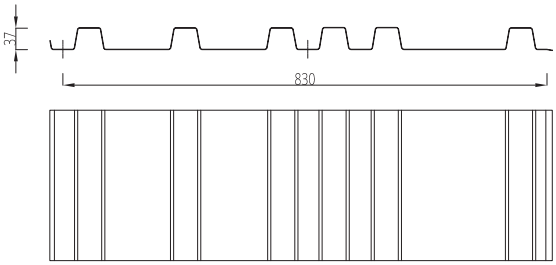
CADENCE XL 710 C PROFILE

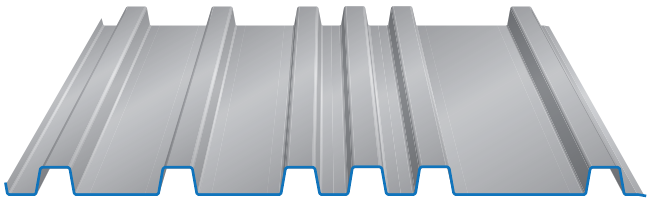




Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	10.12

CADENCE XL 830 C PROFILE





Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	8.65

REGISTERED DESIGNS

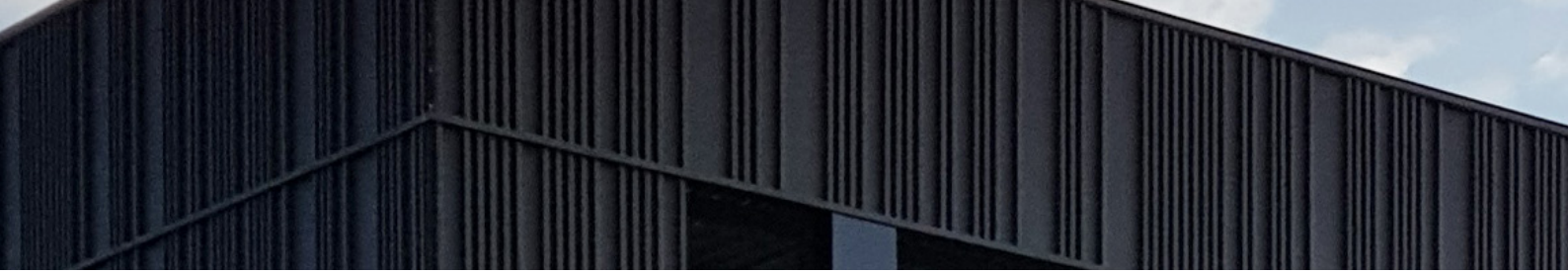
30-YEAR WARRANTY

FIRE : A1
IMPACT : Q4

TRADITIONAL INSTALLATION METHOD

MADE IN FRANCE

DWG, BIM, SKETCHUP FILES TO DOWNLOAD ON OUR WEBSITE



CADENCE RANGE / SQUARE COLLECTION

SPAN TABLE ACCORDING TO WIND LOAD

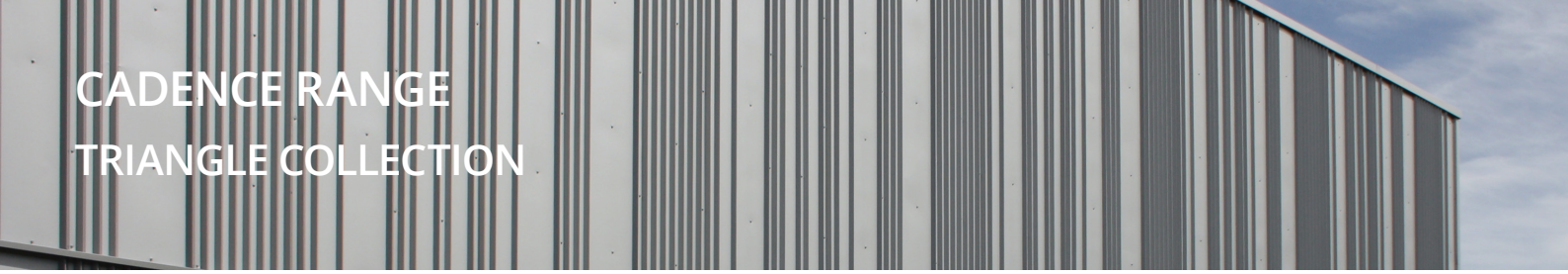
PRESSURE (daN/m²)		Span (m)	SUCTION (daN/m²)	
2 supports	3 supports		2 supports	3 supports
0.75	0.75		0.75	0.75
671	813	**1,00**	671	813
610	739	**1,10**	610	739
559	678	**1,20**	559	678
516	626	**1,30**	516	626
479	581	**1,40**	479	580
447	542	**1,50**	447	534
419	508	**1,60**	419	493
395	478	**1,70**	395	458
373	452	**1,80**	373	427
353	428	**1,90**	353	399
336	407	**2,00**	336	374
320	387	**2,10**	320	351
305	370	**2,20**	305	331
292	354	**2,30**	292	313
280	338	**2,40**	280	296
268	322	**2,50**	268	280
258	307	**2,60**	258	266
249	293	**2,70**	249	253
240	281	**2,80**	240	241
231	269	**2,90**	231	230
224	258	**3,00**	224	220

Calculation according to Eurocode III Part 1.3

Technical information obtained according to installation requirements for metal cladding from July 2014.

CALCULATION VALUES			SYMBOL	UNITS	THICKNESS mm
					0.75
POSITIVE	Moment of inertia		I_{eff}	cm^4 / ml	80.10
	Resistant bending moments	at span	$M_{t, Rd}$	m.daN/ml	847.2
		at support	$M_{a, Rd}$	m.daN/ml	1452.0
	Resistant shear force		$V_{b, Rd}$	daN/ml	4813.4
	Resistant support reaction	at edge	$R_{w, Rd,ex}$	daN/ml	503.4
		intermediate	$R_{w, Rd, in}$	daN/ml	1525.1
SUCTION	Moment of inertia		$I'_{eff, max}$	cm^4 / ml	104.42
	Resistant bending moments	at span	$M'_{t, Rd}$	m.daN/ml	1452.0
		at support	$M'_{a, Rd}$	m.daN/ml	847.2
	Resistant shear force		$V'_{b, Rd}$	daN/ml	4813.4

The Cadence range metal sheets are non-structural sheets according to standard NF EN 14782:2006, as per RAGE Professional Recommendations for Cladding of July 2014, not intended to receive PPE anchoring devices according to EN 795 standard or lifelines.



CADENCE RANGE
TRIANGLE COLLECTION

REGISTERED DESIGNS

30-YEAR WARRANTY

FIRE : A1
IMPACT : Q4

TRADITIONAL INSTALLATION METHOD

MADE IN FRANCE

DWG, BIM, SKETCHUP FILES TO DOWNLOAD ON OUR WEBSITE

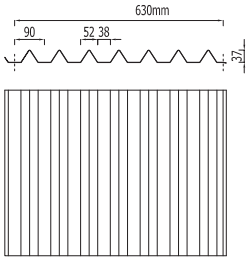
Coating	Norm
hot-dip galvanized	NF EN 10346
Polyester 35µ THD	Coil coating EN 10169
Polyurethane 50µ	Coil coating EN 10169
Powder-coating 60µ	
Other coating	Upon request

Max length of panels :
8000mm/maxi

*Discover the colors available in the **ATELIERS 3S** COLOR CHART*

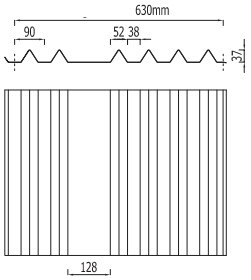
CADENCE T1 PROFILE(630T 7)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	9.07



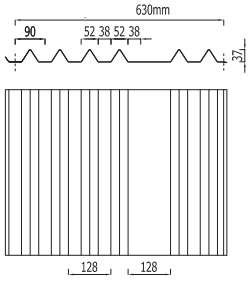
CADENCE T2 PROFILE (630T 2.4)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	8.93



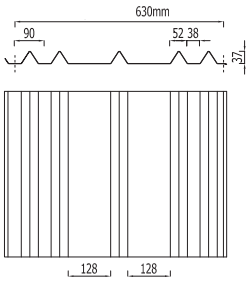
CADENCE T3 PROFILE (630T 4.2)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	8.93



CADENCE T4 PROFILE (630T 2.1.2)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	8.53



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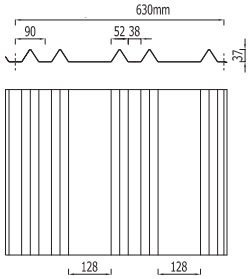
CADENCE RANGE
TRIANGLE COLLECTION

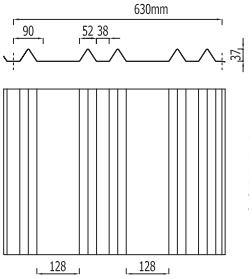
CADENCE T5 PROFILE (630T 2.2.1)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	8.53



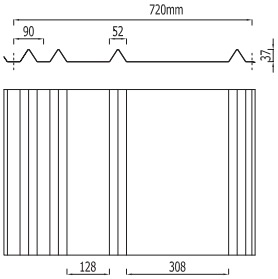
CADENCE T6 PROFILE (630T 1.2.2)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	8.53



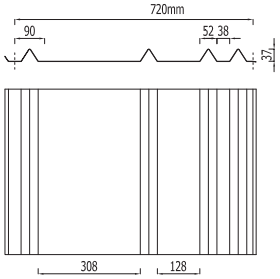
CADENCE T7 PROFILE (720T 2.1.1)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	7.88



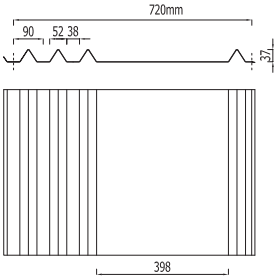
CADENCE T8 PROFILE (720T 1.1.2)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	7.88



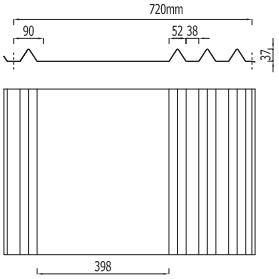
CADENCE T9 PROFILE (720T 3.1)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	7.88



CADENCE T10 PROFILE (720T 1.3)

Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	7.88



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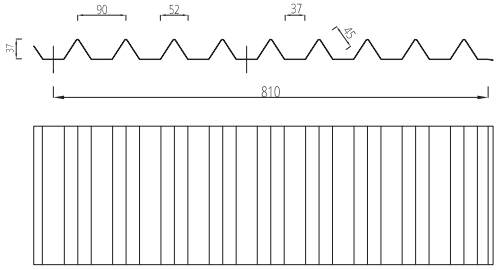
CADENCE RANGE
PROFILE XL TRIANGLE

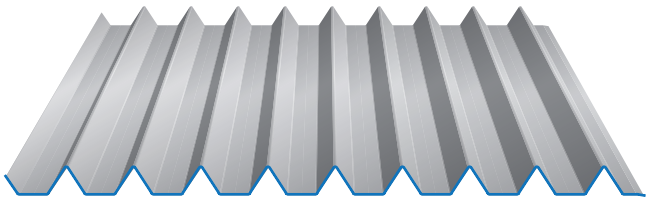
Maximum panels length : 13 000 mm
WARNING : the XL profiles are not compatible with the COLLECTION profiles

The Cadence range metal sheets are non-structural sheets according to standard NF EN 14782:2006, as per RAGE Professional Recommendations for Cladding of July 2014, not intended to receive PPE anchoring devices according to EN 795 standard or lifelines.

Coating	Norm
hot-dip galvanized	NF EN 10346
Polyester 35µ THD	Coil coating EN 10169
Polyurethane 50µ	Coil coating EN 10169
Powder-coating 60µ	
Other coating	Upon request

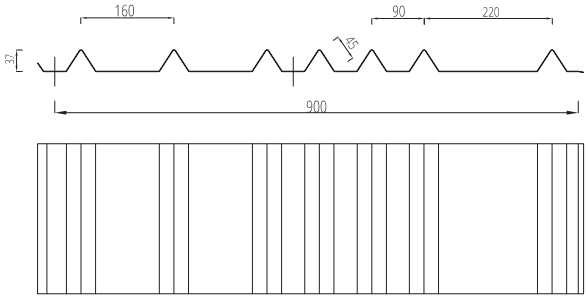
CADENCE XL 810 T PROFILE

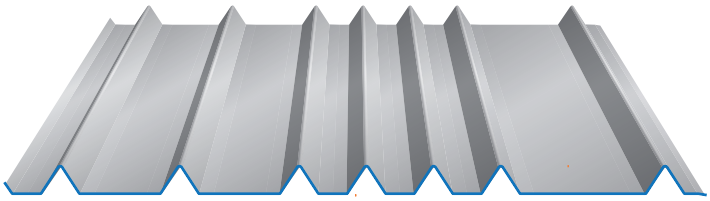




Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	8.87

CADENCE XL 900 T PROFILE





Material	Thickness (mm)	Weight (kg/m²)
Steel S280 GD + Z275	0.75	7.98

REGISTERED DESIGNS

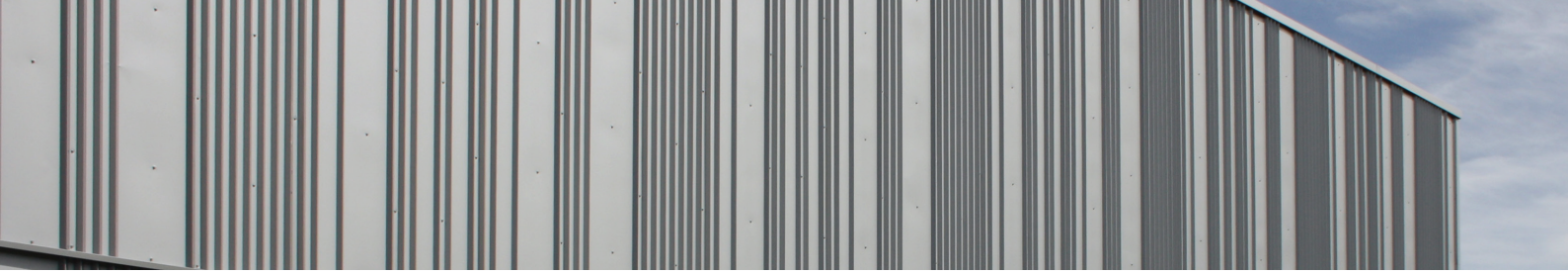
30-YEAR WARRANTY

FIRE : A1
IMPACT : Q4

TRADITIONAL INSTALLATION METHOD

MADE IN FRANCE

DWG, BIM, SKETCHUP FILES TO DOWNLOAD ON OUR WEBSITE



RANGE TRIANGLE CADENCE

SPAN TABLE ACCORDING TO WIND LOAD

PRESSURE (daN/m²)		Span (m)	SUCTION (daN/m²)	
2 supports	3 supports		2 supports	3 supports
0.75	0.75		0.75	0.75
338	283	**1,00**	338	246
308	246	**1,10**	308	213
263	216	**1,20**	282	186
224	192	**1,30**	260	164
193	171	**1,40**	242	146
168	154	**1,50**	224	130
148	139	**1,60**	197	117
131	127	**1,70**	168	106
117	116	**1,80**	142	97
105	106	**1,90**	120	88
95	98	**2,00**	103	81
86	90	**2,10**	89	75
75	84	**2,20**	78	69
66	78	**2,30**	68	64
58	72	**2,40**	60	59
51	68	**2,50**	53	55
45	63	**2,60**	47	52
41	59	**2,70**	42	48
36	56	**2,80**	38	45
33	53	**2,90**	34	43
30	50	**3,00**	31	40

Calculation according to Eurocode III Part 1.3

Technical information obtained according to installation requirements for metal cladding from July 2014.

CALCULATION VALUES			SYMBOL	UNITS	THICKNESS mm
					0.75
POSITIVE	Moment of inertia		I_{eff}	cm^4 / ml	7.40
	Bending moment	at span	$M_{t, Rd}$	m.daN/ml	71.0
		On support	$M_{a, Rd}$	m.daN/ml	94.5
	Resistant shear force		$V_{b, Rd}$	daN/ml	5665.0
	Resistant support reaction	at edge	$R_{w, Rd,ex}$	daN/ml	253.7
		intermediate	$R_{w, Rd, in}$	daN/ml	768.8
SUCTION	Moment of inertia		$I'_{eff, max}$	cm^4 / ml	7.67
	Bending moment	at span	$M'_{t, Rd}$	m.daN/ml	94.5
		On support	$M'_{a, Rd}$	m.daN/ml	71.0
	Resistant shear force		$V'_{b, Rd}$	daN/ml	5665.0

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