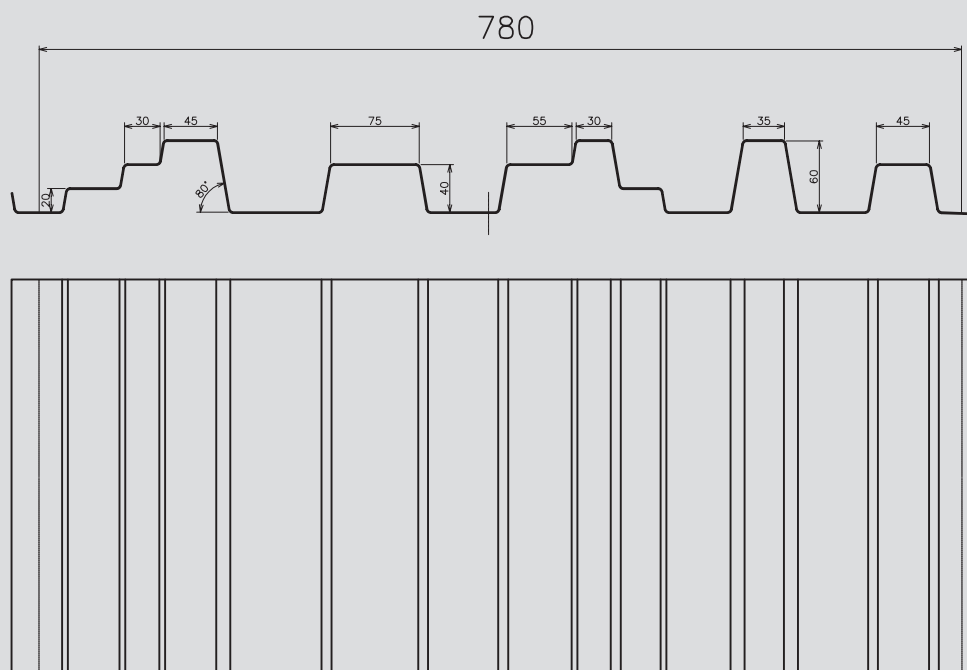


# NEW YORK RANGE MANHATTAN 780



REGISTERED  
DESIGNS

30-YEAR  
WARRANTY

FIRE : A1  
IMPACT : Q4

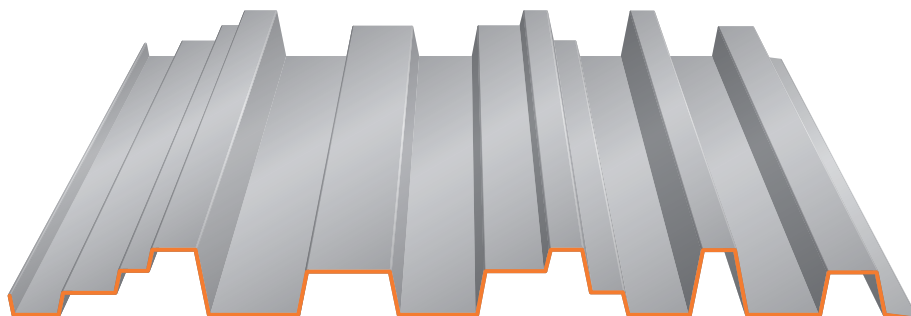
TRADITIONAL  
INSTALLATION  
METHOD

MADE IN FRANCE

DWG, BIM,  
SKETCHUP FILES  
TO DOWNLOAD  
ON OUR WEBSITE

## MANHATTAN 780 PROFILE

Height 60 mm



Material	Thickness (mm)	Weight (kg/m <sup>2</sup> )
Steel S280 GD + Z275	0.75	9.40

Coating	Standard
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

Length of panels : 8000mm maximum

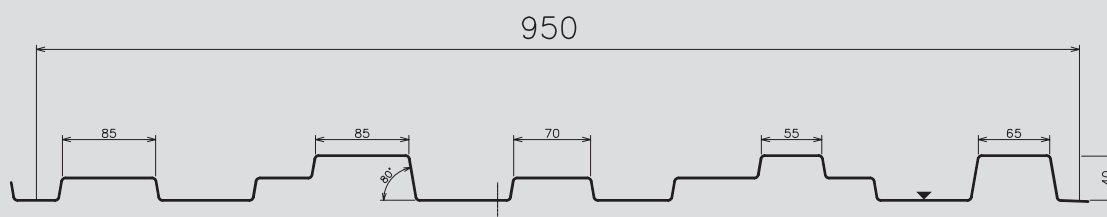


Discover the colors available in  
the **ATELIERS 3S COLOR CHART**

The NEW YORK 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.

# NEW YORK RANGE

## BROOKLYN 950



REGISTERED  
DESIGNS

30-YEAR  
WARRANTY

FIRE : A1  
IMPACT : Q4

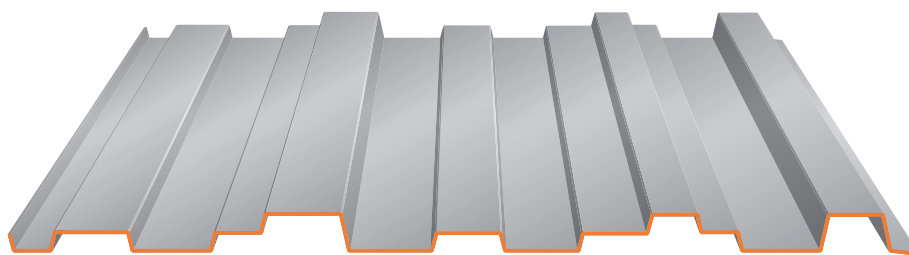
TRADITIONAL  
INSTALLATION  
METHOD

MADE IN FRANCE

DWG, BIM,  
SKETCHUP FILES  
TO DOWNLOAD  
ON OUR WEBSITE

## BROOKLYN 950 PROFILE

Height 40 mm



Material	Thickness (mm)	Weight (kg/m <sup>2</sup> )
Steel S280 GD + Z275	0.75	7.71

Coating	Standard
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

Length of panels : 8000mm maximum



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

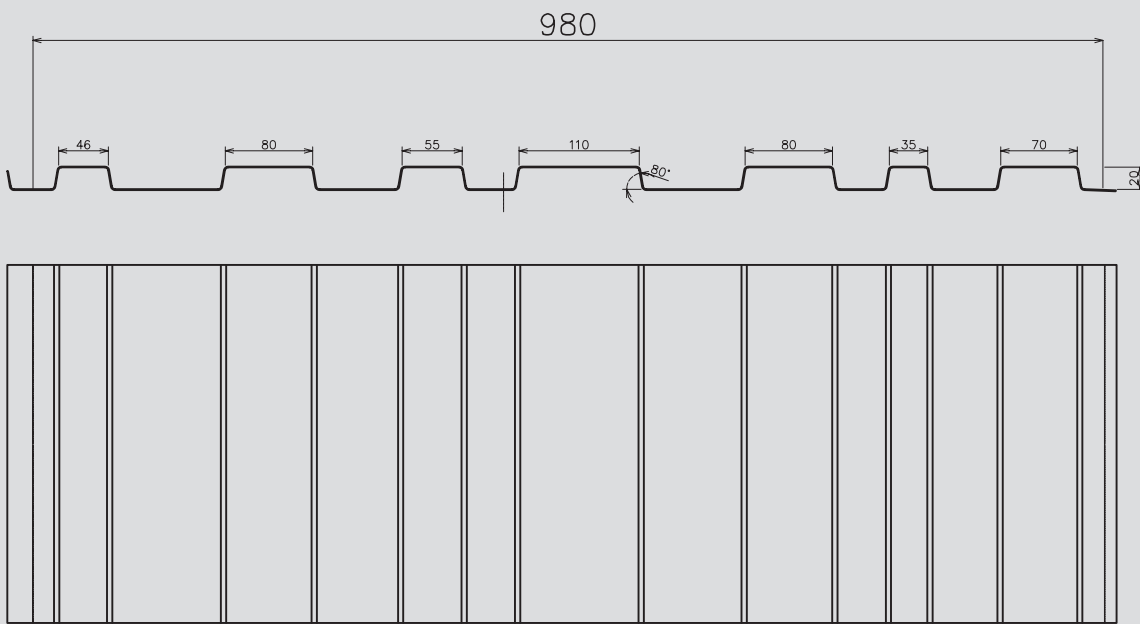
The NEW YORK range metal sheets are non-structural sheets according to standard NF EN 14782:2006, as per RAGE Professional Recommendations for Cladding of July 2014, not intended to receive PPE anchoring devices according to EN 795 standard or lifelines.

TECHNICAL DATASHEETS

**ATELIERS 3S**

# NEW YORK RANGE

## QUEENS 980



REGISTERED  
DESIGNS

30-YEAR  
WARRANTY

FIRE : A1  
IMPACT : Q4

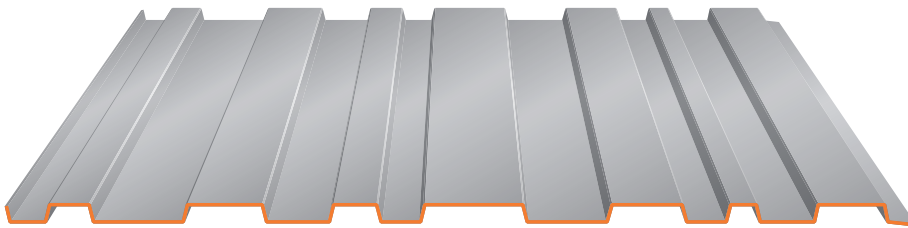
TRADITIONAL  
INSTALLATION  
METHOD

MADE IN FRANCE

DWG, BIM,  
SKETCHUP FILES  
TO DOWNLOAD  
ON OUR WEBSITE

## QUEENS 980 PROFILE

Height 20 mm



Material	Thickness (mm)	Weight (kg/m <sup>2</sup> )
Steel S280 GD + Z275	0.75	7.48

Coating	Standard
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

**Length of panels : 8000mm maximum**



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

The NEW YORK 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.

TECHNICAL DATASHEETS

**ATELIERS 3S**

TABLE OF ALLOWABLE LOADS IN daN/m<sup>2</sup>, ACCORDING TO SPAN LENGTHS  
 Deflection limit criterion taken into account: 1/150th according to professional recommendations (RAGE) calculated according to NF EN 1991-1-4

PRESSURE		Span (m)	SUCTION	
2 supports	3 supports		2 supports	3 supports
0.75	0.75		0.75	0.75
183	300	<b>1.50</b>	155	298
151	264	<b>1.60</b>	128	246
126	233	<b>1.70</b>	106	205
106	204	<b>1.80</b>	90	173
98	188	<b>1.85</b>	83	159
90	174	<b>1.90</b>	76	147
83	161	<b>1.95</b>	71	136
77	149	<b>2.00</b>	65	126
72	138	<b>2.05</b>	61	117
67	129	<b>2.10</b>	56	109
62	120	<b>2.15</b>	53	101

Seismic validation: Study report DCC / CLC\_12\_229\_1 from CSTB dated 25/02/2013



Calculations according to Eurocode III Part 1.3

CALCULATION VALUES		SYMBOLE	UNITS	
POSITIVE	Moments of inertia	$I_{eff}$	cm <sup>4</sup> / m	5.76
	Resistant moment in span	$M_{b, Rd, t}$	daN-m/m	131.5
	Resistant moment on supports	$M_{b, Rd, a}$	daN-m/m	126.5
	RSupport reaction (40 mm d'appui)	d'extrémité	$R_{w, Rd, e}$	daN/m
intermédiaire		$R_{w, Rd, i}$	daN/m	3278.4
SUCTION	Moments of inertia	$I'_{eff, max}$	cm <sup>4</sup> / m	4.87
	Resistant moment in span	$M'_{b, Rd, t}$	daN-m/m	126.5
	Resistant moment on supports	$M'_{b, Rd, a}$	daN-m/m	131.5