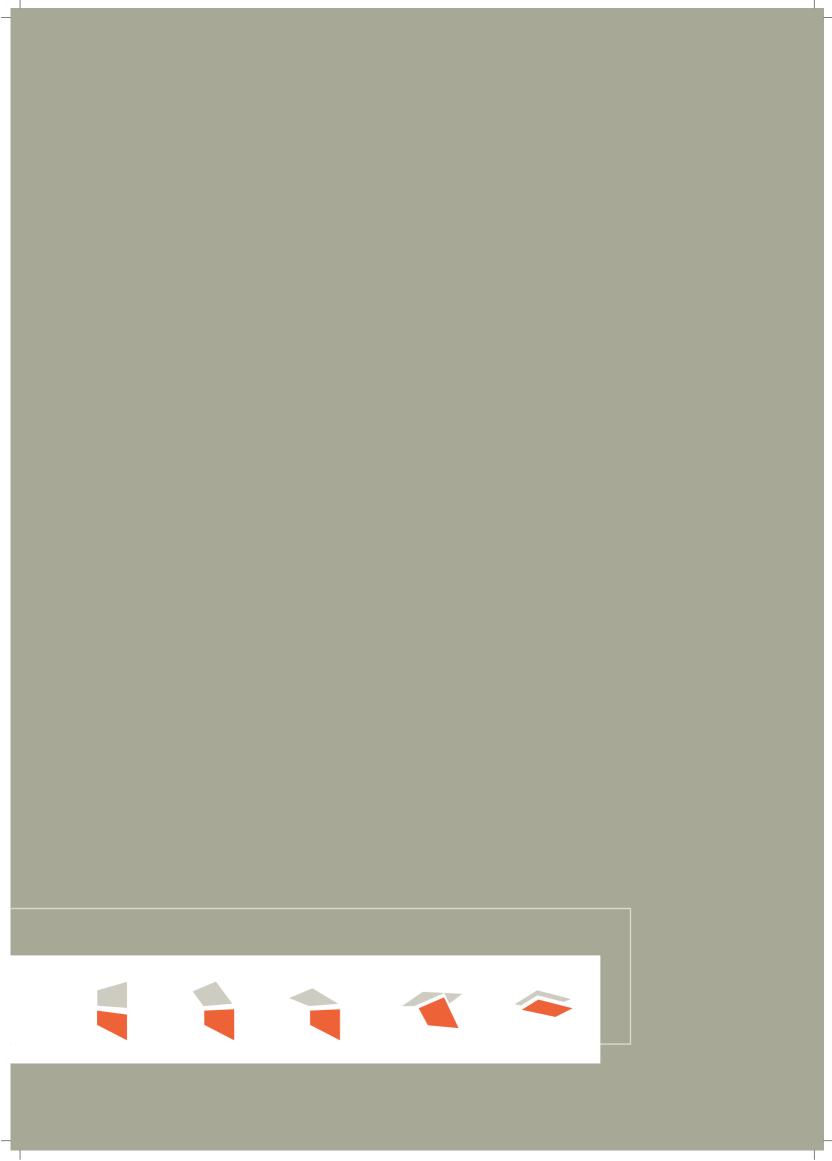


# TECHNOLOGICAL

Carage doors and patented locking systems





## COMPANY



## Delta Overlap mission and corporate values





# Our team is an added value

## PATENT





Overlap in an innovative concept that does not require the ceiling tracks and reduces the space occupied inside the garage. The operator is housed in the upper beam of the door frame.









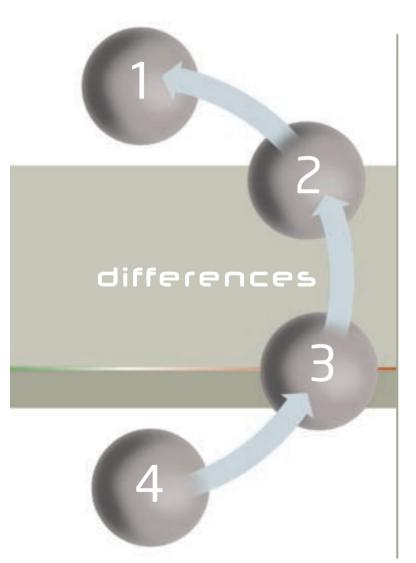


This solution operates the two sections of the door without the need of the tracks inside the garage where the first section acts as the track and rail for the second section that follows beneath.

The garage doors with Overlap patented technology



#### Traditional sectional garage door



#### 1 Ceiling rails

When the traditional sectional garage door opens it moves parallel to the ceiling along the tracks which are fixed on the ceiling which then remain in place even when the door is closed.

#### 2 Operator

The motor is also fixed to the ceiling and takes considerable space inside the room.

#### 3 Spring operated system

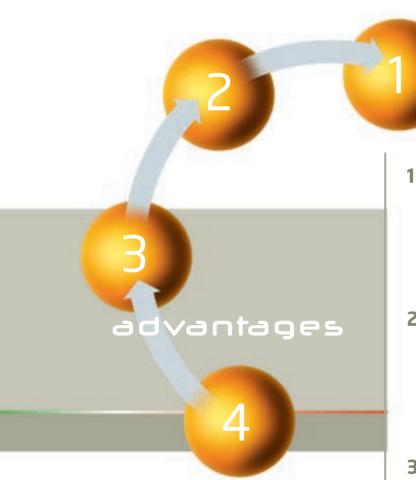
The traditional garage door opens and shuts with the help of metal springs which are sized for specific open/close cycles, are under mechanical stress and undergo wear and tear with the time.

#### 4 Appearance

The presence of many individual sectional panels require various hinges and hardware on the internal side of the garage and do not enhance the appearance on the external side too.



#### Overlap door



#### 1 Trackless

This is the main feature that makes Overlap a unique selling proposition. Thanks to its self-standing frame and the two stackable sections, Overlap does not require the unsightly ceiling rails.

## 2 Operator positioned inside the frame

The motor is housed inside the upper beam of the door frame, does not need sliding structures and does not reduce the net passage (height) of the garage door.

#### 3 Counterweight system

The mechanical movement of the panels is provided by double counterweighs on each side of the frame and as a consequence parts exposed to wear and tear are reduced to a minimum.

#### 4 Appearance

This innovation makes a clean and orderly garage space both inside and outside and offer bespoke solutions in sizes and finishes.



Engineered for functionality, appearance and precision

The attention to details, the manufacturing technology and the wide range of finishes and claddings result in an external appearance that fit easily in every type of house with an elegant and peculiar look. The charm of an Overlap door is unique and peerless.

## B-SIDE

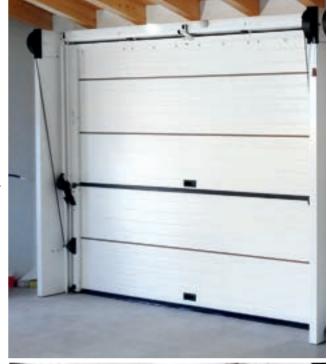
#### More space for your space

The attention to details is maintained both on the inside as well as outside. The trackless construction, the hidden operator, the white or anthracite frame of the internal finishes result in a pleasant and elegant solution. The internal side of the panels are spray painted white and on request the panels can be customised with other colours.

## The space that creates a fine view

The innovative Overlap system does not need tracks on the ceiling and halves the backroom needed when the door is open. Overlap is space efficient both inside the garage and the reduction of the net passage both in the height and the width is reduced at a minimum. When the door is open the reduction of the clearance is only 200 mm. Overlap is the ideal choice in presence of an inclined or a vaulted ceiling, ceiling with beams showing and side walls placed at an angle or curved.

CLASSIC MODEL INTERNAL SIDE



NEW PLANA 40 mm INTERNAL SIDE



NEW PLANA 75 mm INTERNAL SIDE

### More space, more confort

ideal for low-depth garages or openings flush with the street.









### Energy Efficient

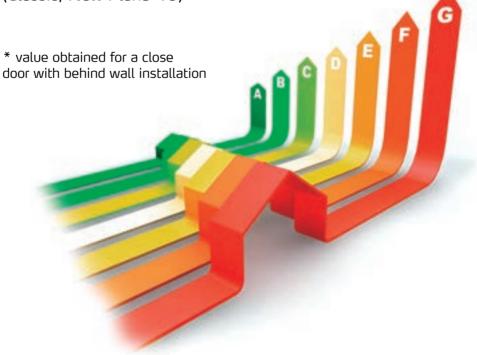
The electronically controlled Overlap motorization drives one mechanical clutch linked to the counterweights. This design is energy efficient.

Overlap cuts out well wind and water, offer sound insulation when closed and quiet and smooth operation when opening and closing.

### Reduced energy consumption and thermal insulation

THERMAL TRANSMITTANCE up to U= 1,30 W/m K\* (New Plana 75)

THERMAL TRANSMITTANCE up to U= 1,50 W/m<sup>2</sup> K\* (Classic, New Plana 40)





## Safety and technology

#### Theft-proof

door and safety during operation

App for los



#### Certified

ACCORDING TO EN 1627 CLASS 2 BREAK-IN RESISTANCE





Overlap boasts high safety standards. The locking system offer theft-proof features and the Overlap motor can be linked to any alarm or electronic, automatic management system in the house. The electric sensors in the motor prevent injuries when closing and the photocells inside and out offer additional safely.

The setting of the motor is carried out via a Bluetooth app by authorized service engineers.

Overlap has passed the testing according to EN 1627 and has achieved class 2 resistance against attempts of forcing the lock. The continuous Overlap product development can now offer a garage door which is very difficult to break open with non-motorized tools. The certification is applicable to all models and sizes with panels in double sheet with polyurethane foam

## Italian Style







## Mission possible

Overlap makes it possible numerous customized solutions to provide you with the garage of your dreams. The Overlap system is suitable also for non-garage environments when a technical access is needed and at the same time the appearance is important or there are space constraints.

# Bespoke solutions

Overlap is made to measure and customized each time, with different materials, claddings and colours.













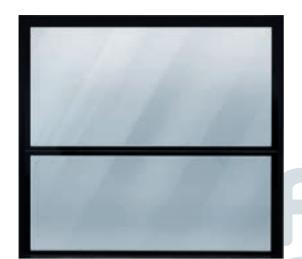
Overlap
listens to
your ideas
and gives
shape to
your project





## PLANA MODELS

Overlap Plana offers beautiful garage doors solutions with unique features to get everything tidied up. Overlap Plana is available with finishes WOOD, COLOR, MATERIAL, PIETRAVERA and FULL GLASS



Overlap Full Glass is made with safety glass and allow the day light to brighten your garage. Overlap Full Glass is a garage door with clear glass, satin glass and tinted glass suitable when you want natural light for your garage, working space or to create a showroom.



Mod. PLANA - Full Glass - Transparent glass



The finish Color for a modern and personal look.

# COLOR



Mod. PLANA - Color - 713 Metal



# MODD

This finish enhances the beauty of wood.

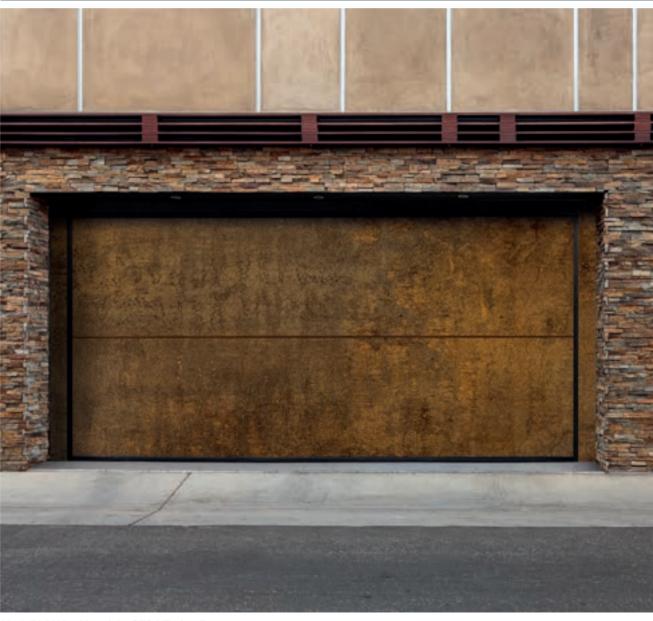


Mod. PLANA - Wood - 770 Yale Oak



This finish is innovative and modern for a contemporary appearance, with Corten finish and other colours.

# MATERIAL

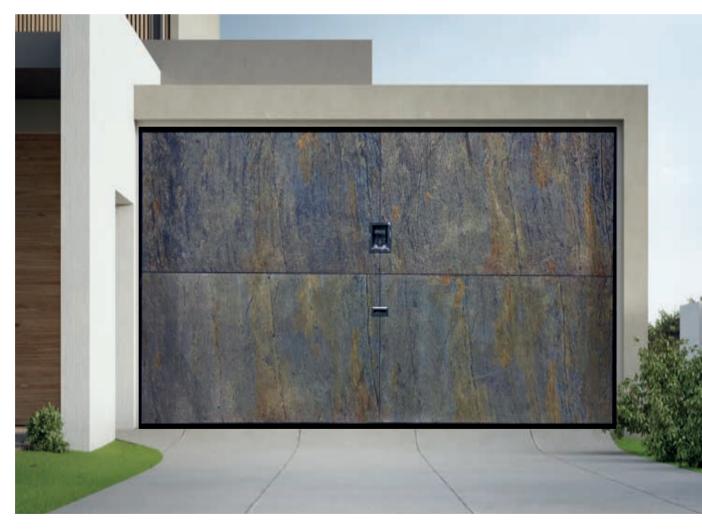


Mod. PLANA - Material - 0794 Patina Bronze



Surface offers a pleasant aesthetic effect, thanks to its "natural beauty"

# REAL STONE



Mod. PLANA - Pietravera - Themis

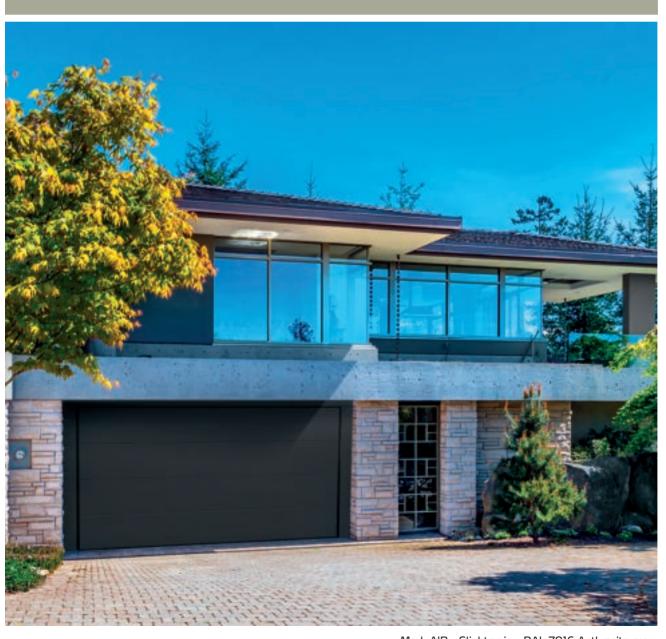
## CLASSIC MODELS

Overlap Classic offer options suitable for every house, modern or traditional, with a wide choice of finishes and colours that result in a unique appearance.



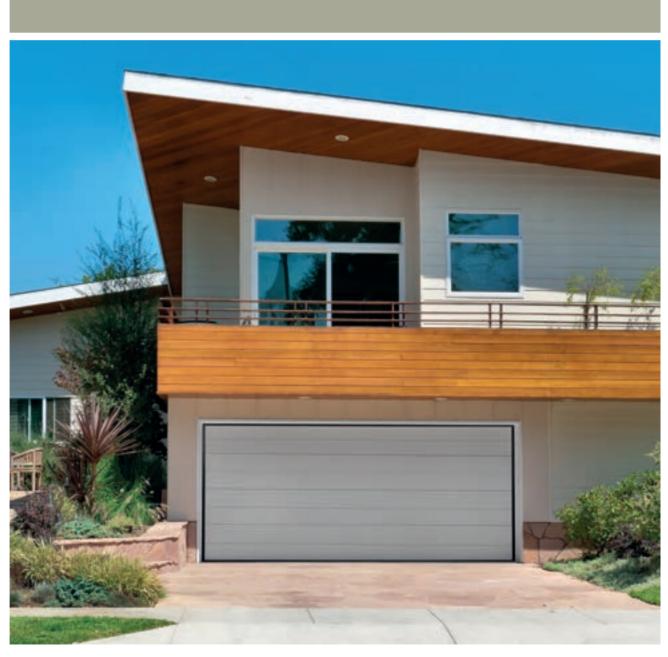


Smooth panels create a minimalistic look.



Mod. AIR - Slightgrain - RAL 7016 Anthracite grey

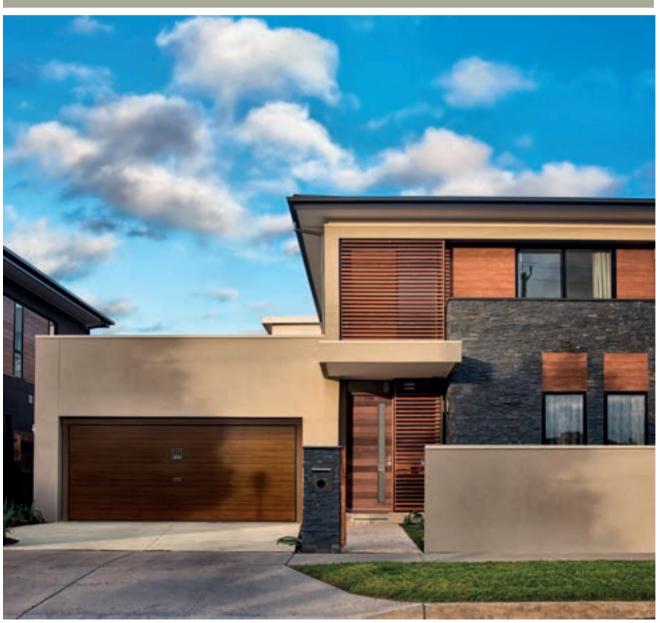




Mod. WIDE - Woodgrain - RAL 9016 Traffic white



Additional grooves on the same panel enhance the pattern.



Mod. SOUND - Woodstyle - Medium with double handle



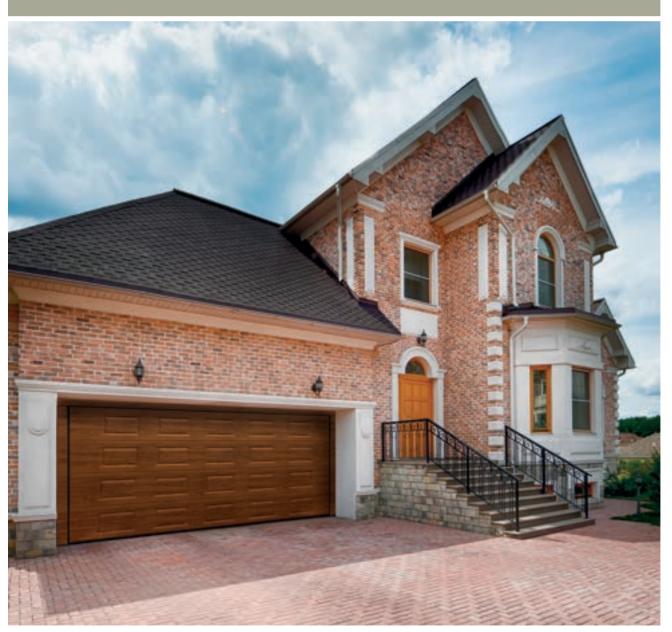
This peculiar pattern gives a distinctive look to the door.



Mod. WAVE - Smooth - RAL 9016 with double handle



This cassette pattern is suitable for more classic and traditional settings.



Mod. BOX - Woodtsyle - Light

Overbas up and Over Doors



## Overbas

The Overlap up and over garage door.



## All the advantages OVERLAP

- Conceal ed operator
- Trackless solution
- Counterweights movement
- Approved for break-in resistance Class 2\*

Feasible in all the Overlap aesthetic of Plana e Classic Range

<sup>\*</sup>The security feature is not available with wicket door.



Internal view

## Plus

The wicket door with concealed hinges and low threshold is available.



Threshold lowered

Concealed hinges

## Installation types

#### Overlap - Overbas



#### Between wall installation

This installation type is suited in case the wall opening does not allow fixing behind the opening. It is especially common in the case of a door replacement. Thanks to the self-supporting frame, Overlap doors with outer frame dimensions until can be directly fixed to sidewalls and over-wall with no other supporting component (e.g. Tubular, etc.) which is otherwise necessary for bigger dimension doors.

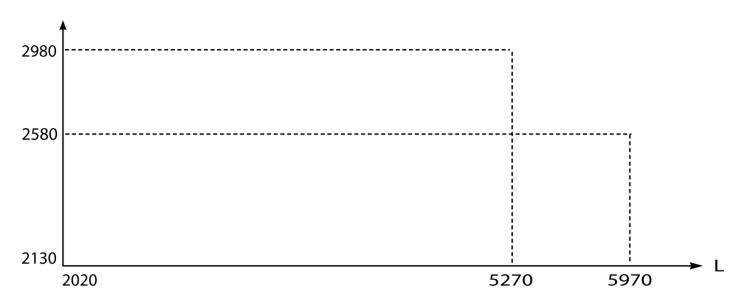


#### Behind wall installation

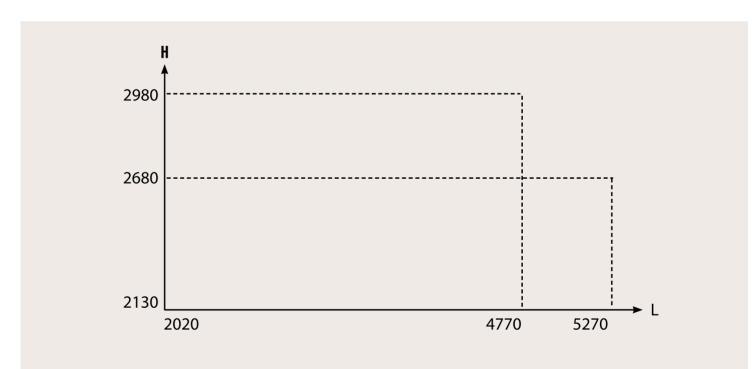
This installation is performed when the wall opening presents enough side-room and head-room. In this case, the door frame is anchored behind the wall and it is possible to maximize door clearance. This solution should be preferred as it allows a better thermal insulation of the garage.

#### Sizes

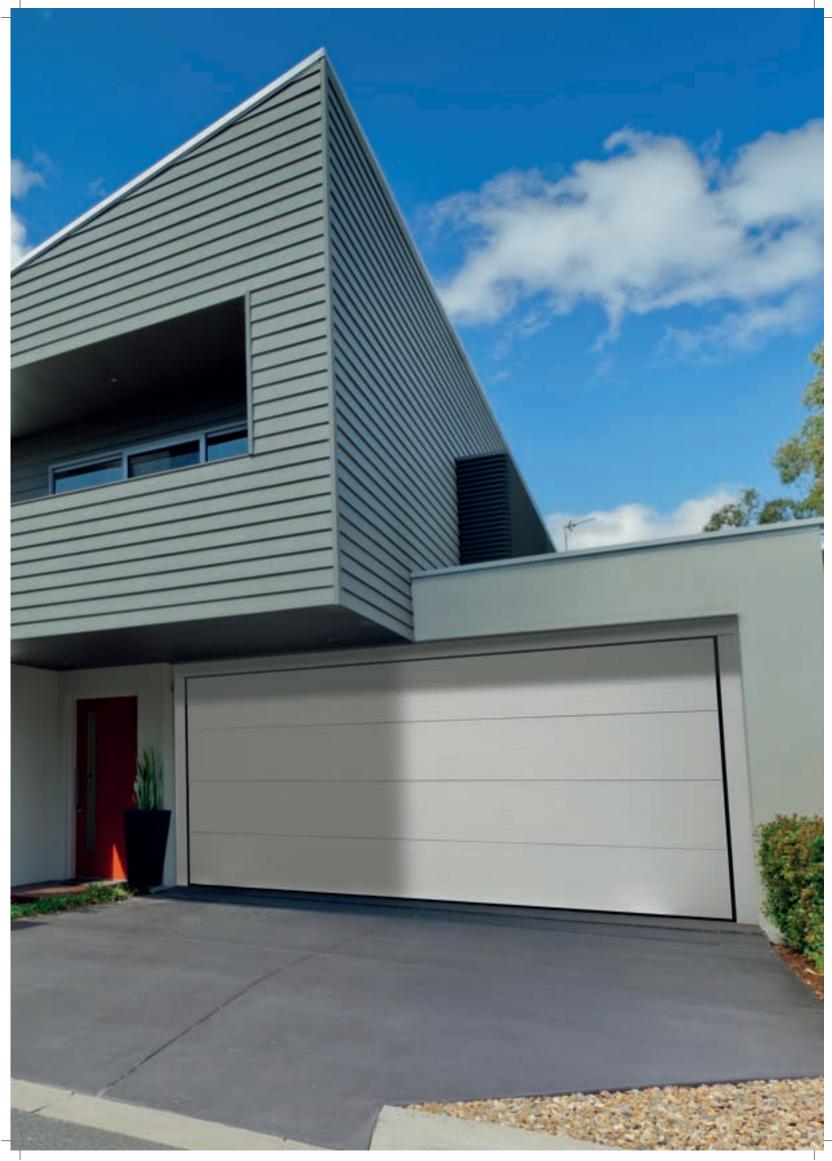
OVERLAP and OVERBAS are always made, both in width and height, in steps of 50mm or 10mm (optional). Overbas not protruding feasible up to 4770mm x 2580mm.



Overlap size table: outer frame size (mm)



Overbas size table: outer frame size (mm)



## COLORS AND SURFACES

## Classic Models Surfaces





WOODGRAIN, SLIGHTGRAIN, WOODSTYLE AND WOODSTYLE PLUS



WOODGRAIN, SLIGHTGRAIN, WOODSTYLE AND WOODSTYLE PLUS



WOODGRAIN, SLIGHTGRAIN, WOODSTYLE AND WOODSTYLE PLUS



SMOOTH



BOX

WOODGRAIN, WOODSTYLE

### Surfaces



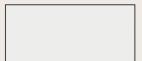
#### WOODGRAIN

An embossed surface that reflects the texture of wood grain, a classic and external finish.



#### **SMOOTH**

A smooth and bright surface that intensify color and door style.



#### **SLIGHTGRAIN**

A smooth surface with a little texture that gives to the color a modern style.



#### WOODSTYLE

A prepainted smooth surface which reflects the color and grain of timber.



#### **WOODSTYLE PLUS**

A prepainted smooth surface which reflects the color and grain of timber in the external and internal of panel

### Smooth - Slightgrain - Woodgrain

Overlap is made in all ral colors or sample colors (optional)









7035 Light Grey

9002 Grey White 7040 Window Grey 9006 White Alluminium









9016 Traffic White 6009 Fir Green 7016 Anthracite Grey 8016 Mahogan Brown

### Woodstyle



Light



Light



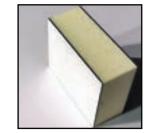
Woodstyle Plus

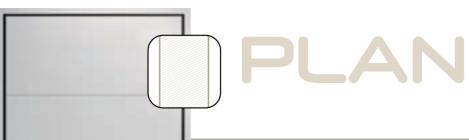
Medium

Medium-dark

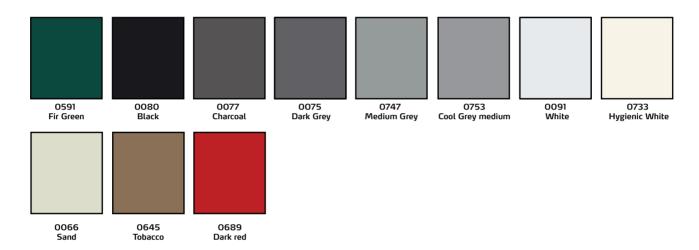
Medium

## Plana Models Surfaces





### Color (LAMINATE HPL)



### Wood (LAMINATE HPL)





5172 Marshland Oak

## Material (LAMINATE HPL)



0429







Patina Bronze

0794

Full Class (glass)





Transparent Glass

White Satin Glass

## Steel sheet

## Smooth - Slightgrain - Woodgrain

Overlap is made in all ral colors or sample colors (optional)



## Pietravera



## ACCESSORIES







Two channels and four channels remote controls





External handle in PlatinBronze or PlatinSilver





Two channels wired-radio stainless steel keypadtwo





Flashing light





Fixed windows with aluminium frame and glass (transparent or frosted)



Fixed windows with polycarbonate pane with plastic frame



Plastic rectangular ventilation grill

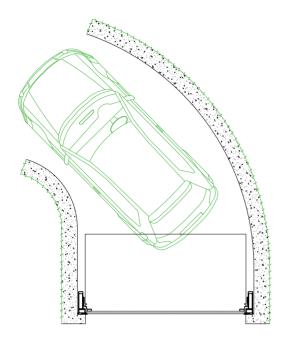


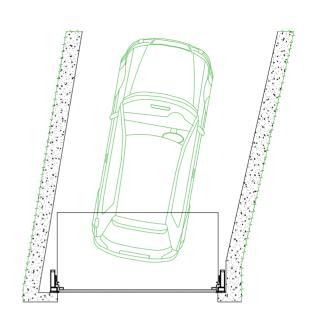
Rectangular aluminium ventilation grill



## TECHNICAL SECTION

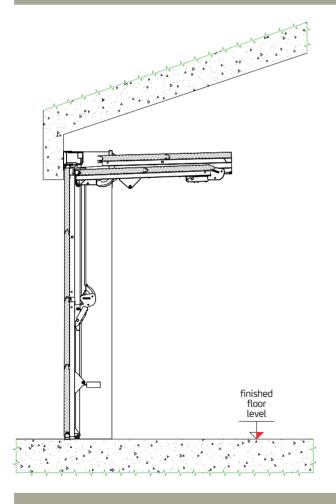
## Overlap Solutions

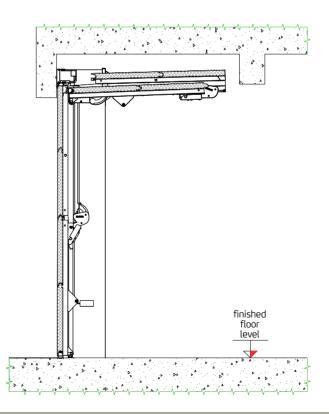




Garage with curved side walls

Garage with oblique side walls





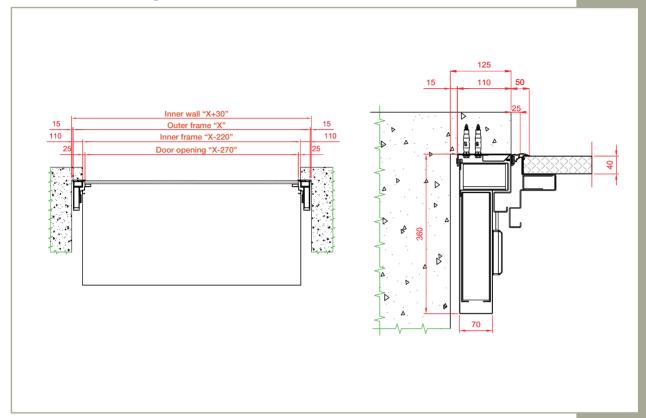
Garage with slanted ceiling

Garage with ceiling lowered by beams

#### **BEHIND WALL INSTALLATION**

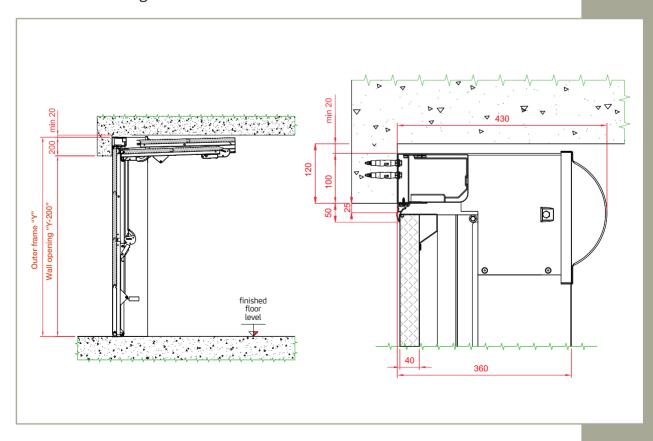
Horizontal section - general

Horizontal section - detail



Vertical section - general

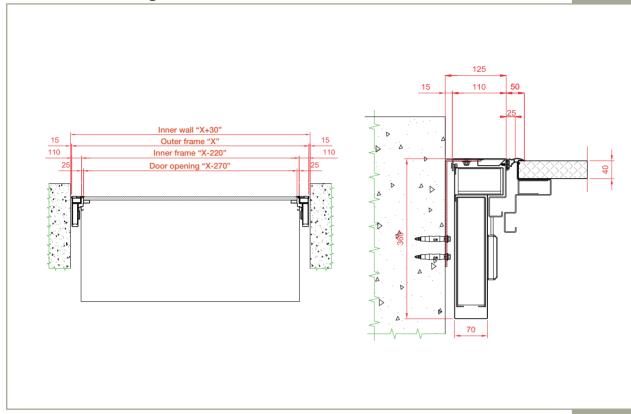
Vertical section - detail



## **BETWEEN WALL INSTALLATION, DOORS SECTORS A-B-C-D** (WITHOUT TUBULARS)

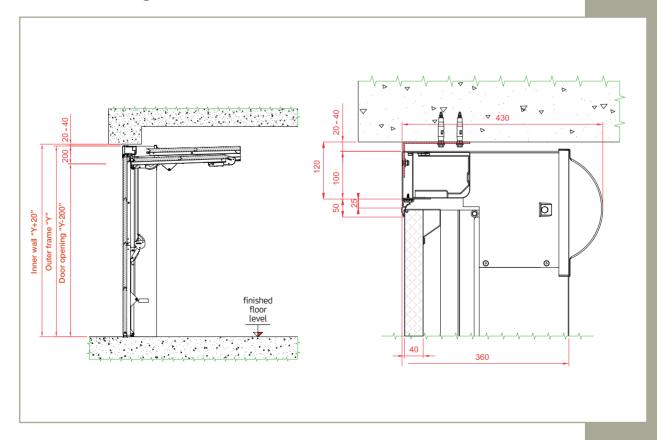
Horizontal section - general

Horizontal section - detail



Vertical section - general

Vertical section - detail



## PLANA 75 mm Details

Horizontal section - general

inner wall "X+30"

outer frame "X"

15

loner frame "X-220"

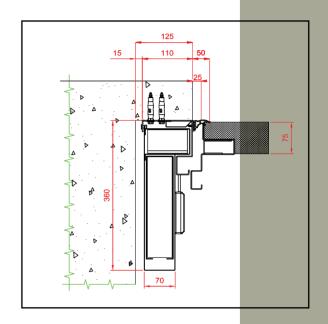
110

25

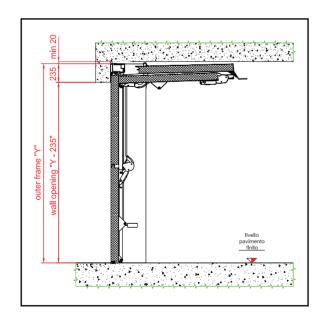
door opening "X-270"

25

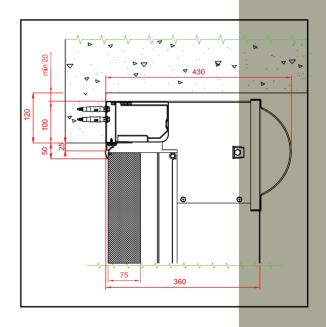
Horizontal section - detail



Vertical section - general



Vertical section - detail

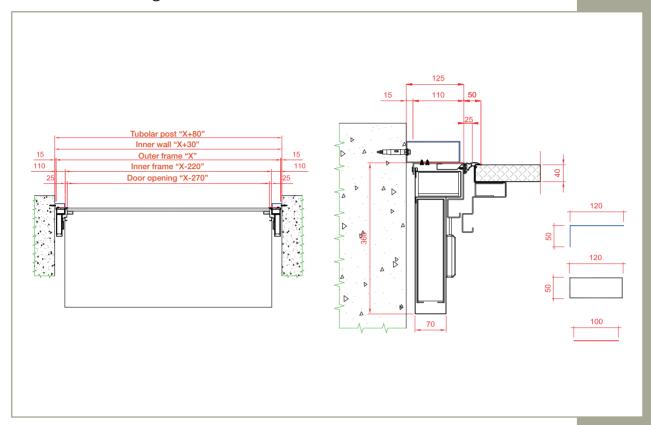


IT'S SHOWN ONLY BEHIND WALL INSTALLATION AS AN EXAMPLE

## BETWEEN WALL INSTALLATION, DOORS SECTORS E F G H I (WITH TUBULARS)

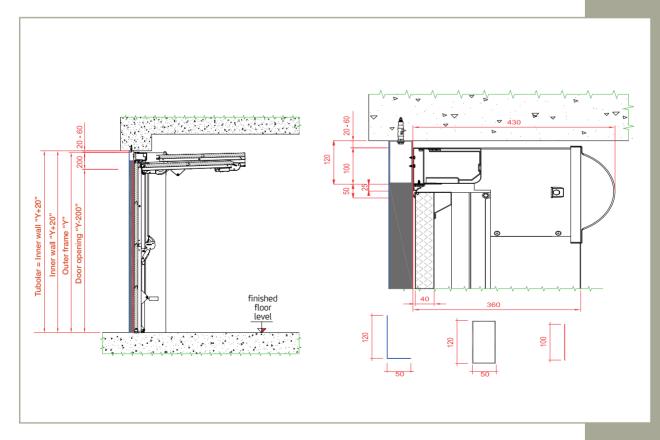
Horizontal section - general

Horizontal section - detail



Vertical section - general

Vertical section - detail



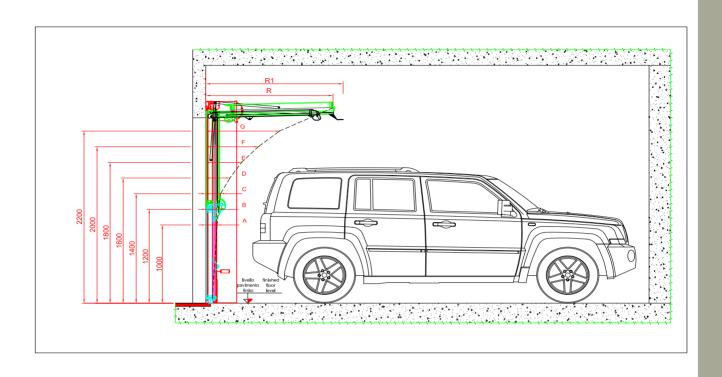
# Encumbrances OVERLAP Classic Box model measures in mm

Over all frame	Door opening	R	R1
2130	1930	1270	1350
2180	1980	1320	1400
2230	2030	1370	1450
2280	2080	1370	1450
2330	2130	1370	1450
2380	2180	1420	1500
2430	2230	1420	1500
2480	2280	1445	1525
2530	2330	1470	1550
2580	2380	1495	1575
2630	2430	1520	1600
2680	2480	1545	1625
2730	2530	1570	1650
2780	2580	1845	1925
2830	2630	1895	1975
2880	2680	1895	1975
2930	2730	1920	2000
2980	2780	1945	2025

# Encumbrances OVERLAP New Plana 40mm measures in mm

Over all frame	Door opening	R	R1
2130	1930	1270	1350
2180	1980	1320	1400
2230	2030	1370	1450
2280	2080	1370	1450
2330	2130	1370	1450
2380	2180	1420	1500
2430	2230	1420	1500
2480	2280	1445	1525
2530	2330	1470	1550
2580	2380	1495	1575
2630	2430	1520	1600
2680	2480	1545	1625
2730	2530	1570	1650
2780	2580	1695	1675
2830	2630	1745	1700
2880	2680	1795	1725
2930	2730	1845	1750
2980	2780	1895	1775

# Encumbrances OVERLAP New Plana 75mm measures in mm



Over all	Door	А	В	С	D	Е	F	G		
frame	opening	1000	1200	1400	1600	1800	2000	2200	R	R1
2130	1910	184	229	354	522	760	/	/	1270	1350
2180	1960	182	221	335	495	720	/	/	1320	1400
2230	2010	180	212	316	467	681	/	/	1370	1450
2280	2060	177	204	296	440	641	/	/	1370	1450
2330	2110	175	195	277	412	601	811	/	1370	1450
2380	2160	173	193	262	392	571	776	/	1420	1500
2430	2210	172	190	248	373	540	741	/	1420	1500
2480	2260	170	188	233	353	510	705	/	1445	1525
2530	2310	168	185	218	333	479	670	931	1470	1550
2580	2360	166	183	205	313	447	638	882	1495	1575
2630	2410	165	182	203	307	440	625	855	1520	1600
2680	2460	164	181	201	302	434	612	828	1545	1625
2730	2510	163	179	200	297	429	599	801	1570	1650
2780	2560	162	178	198	292	423	586	774	1595	1675
2830	2610	162	177	197	288	418	574	761	1620	1700
2880	2660	161	176	195	284	412	562	749	1645	1725
2930	2710	161	175	194	280	407	549	736	1670	1750
2980	2760	160	174	192	276	401	537	723	1695	1775

## PLANA 75 mm Details

Horizontal section - general

inner wall "X+30"

outer frame "X"

15

loner frame "X-220"

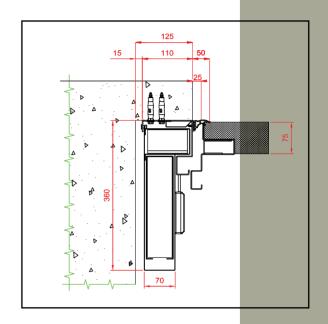
110

25

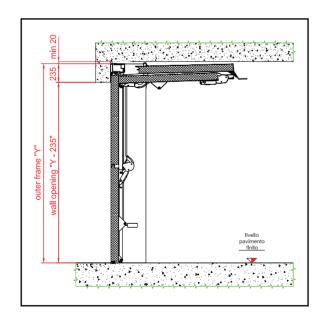
door opening "X-270"

25

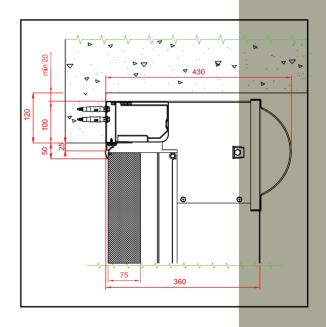
Horizontal section - detail



Vertical section - general



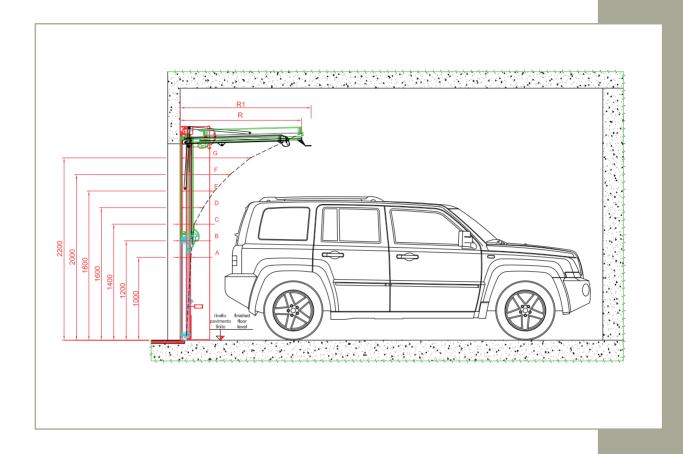
Vertical section - detail



IT'S SHOWN ONLY BEHIND WALL INSTALLATION AS AN EXAMPLE

#### **OVERLAP DOOR CLEARANCE**

measures in mm



outer		A	В	C	D	E	F	G	ь	20.0
frame	door opening	1000	1200	1400	1600	00 1800	2000	2200	R	Rt
2130	1930	149	194	319	487	725	1	1:	1270	1350
2180	1980	147	186	300	460	685	7	18	1320	1400
2230	2030	145	177	281	432	646	1	1	1370	1450
2280	2080	142	169	261	405	606	1	1	1420	1500
2330	2130	140	160	242	377	566	776	1	1470	1550
2380	2180	138	158	227	357	536	741	1	1520	1600
2430	2230	137	155	213	338	505	706	1	1570	1650
2480	2280	135	153	198	318	475	670	12	1620	1700
2530	2330	133	150	183	298	444	635	896	1670	1750
2580	2380	131	148	170	278	412	603	847	1495	1575
2630	2430	130	147	168	272	405	590	820	1545	1625
2680	2480	129	146	166	267	399	577	793	1595	1675
2730	2530	128	144	165	262	394	564	766	1645	1725
2780	2580	127	143	163	257	388	551	739	1695	1775
2830	2630	127	142	162	253	383	539	726	1745	1825
2880	2680	126	141	160	249	377	527	714	1795	1875
2930	2730	126	140	159	245	372	514	701	1845	1925
2980	2780	125	139	157	241	366	502	688	1895	1975

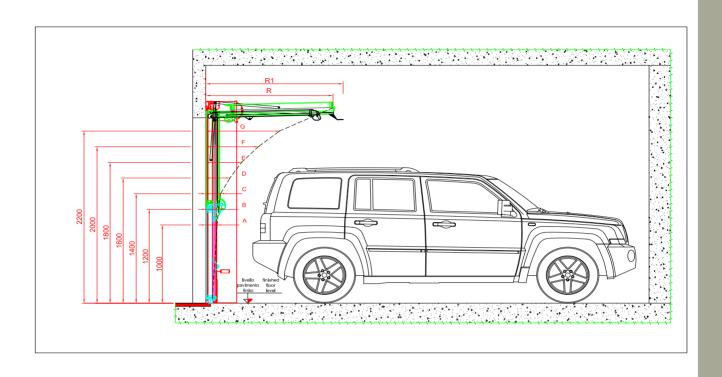
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2180	1980	1320	1400
2230	2030	1370	1450
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2330	2130	1370	1450
2380	2180	1420	1500
2430	2230	1420	1500
2480	2280	1445	1525
2530	2330	1470	1550
2580	2380	1495	1575
2630	2430	1520	1600
2680	2480	1545	1625
2730	2530	1570	1650
2780	2580	1845	1925
2830	2630	1895	1975
2880	2680	1895	1975
2930	2730	1920	2000
2980	2780	1945	2025

# Encumbrances OVERLAP New Plana 40mm measures in mm

Over all frame	Door opening	R	R1
2130	1930	1270	1350
2180	1980	1320	1400
2230	2030	1370	1450
2280	2080	1370	1450
2330	2130	1370	1450
2380	2180	1420	1500
2430	2230	1420	1500
2480	2280	1445	1525
2530	2330	1470	1550
2580	2380	1495	1575
2630	2430	1520	1600
2680	2480	1545	1625
2730	2530	1570	1650
2780	2580	1695	1675
2830	2630	1745	1700
2880	2680	1795	1725
2930	2730	1845	1750
2980	2780	1895	1775

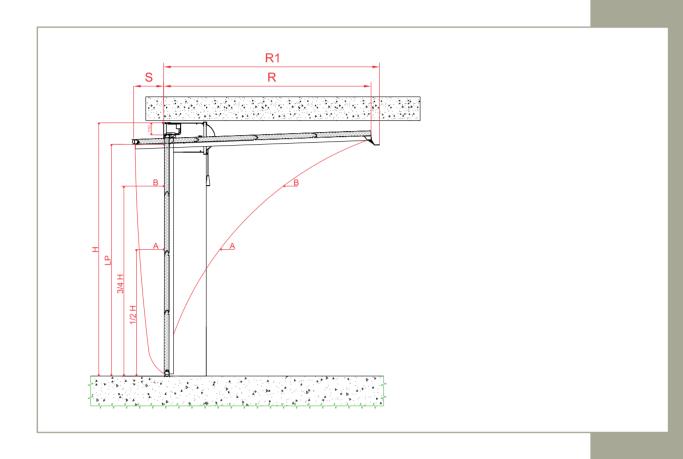
# Encumbrances OVERLAP New Plana 75mm measures in mm



Over all	Door	А	В	С	D	Е	F	G		
frame	opening	1000	1200	1400	1600	1800	2000	2200	R	R1
2130	1910	184	229	354	522	760	/	/	1270	1350
2180	1960	182	221	335	495	720	/	/	1320	1400
2230	2010	180	212	316	467	681	/	/	1370	1450
2280	2060	177	204	296	440	641	/	/	1370	1450
2330	2110	175	195	277	412	601	811	/	1370	1450
2380	2160	173	193	262	392	571	776	/	1420	1500
2430	2210	172	190	248	373	540	741	/	1420	1500
2480	2260	170	188	233	353	510	705	/	1445	1525
2530	2310	168	185	218	333	479	670	931	1470	1550
2580	2360	166	183	205	313	447	638	882	1495	1575
2630	2410	165	182	203	307	440	625	855	1520	1600
2680	2460	164	181	201	302	434	612	828	1545	1625
2730	2510	163	179	200	297	429	599	801	1570	1650
2780	2560	162	178	198	292	423	586	774	1595	1675
2830	2610	162	177	197	288	418	574	761	1620	1700
2880	2660	161	176	195	284	412	562	749	1645	1725
2930	2710	161	175	194	280	407	549	736	1670	1750
2980	2760	160	174	192	276	401	537	723	1695	1775

### **OVERBAS DOOR CLEARANCE - Protruding**

measures in mm

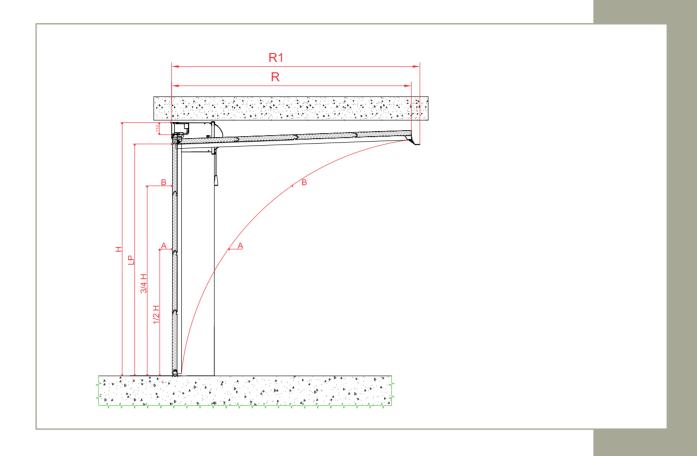


Н	A-A	35.H	B-B	54 H	5	R	R1	Tb.
1880	360	990	880	1480	190	1880	1740	1735
2038	360	1015	880	1520	190	1710	1790	1785
2080	360	1040	880	1560	240	1710	1790	1830
2130	360	1065	800	1800	240	1760	1840	1880
2180	360	1090	860	1630	290	1760	1840	1925
2230	360	1115	860	1670	290	1810	1890	1975
2280	360	1140	880	1710	340	1810	1890	2020
2330	380	1165	860	1750	340	1880	1940	2070
2388	366	1,190	880	1790	390	1880	1940	2118
2430	360	1215	880	1820	390	1910	1990	2165
2480	360	1240	860	1860	440	1910	1990	2210
2530	360	1265	860	1900	440	1960	2040	2260
2580	360	1290	860	1940	490	1960	2040	2305
2630	360	1315	860	1970	490	2010	2090	2355
2680	360	1340	860	2010	540	2010	2090	2400
2730	360	1365	860	2050	540	2060	2140	2450
2780	360	1390	910	2090	590	2060	2140	2495
2830	360	1415	B10	2120	500	2110	2190	2545
2880	360	1440	910	2160	640	2110	2190	2590
2930	360	1465	910	2200	640	2160	2240	2640
2900	360	1490	910	2238	690	2160	2240	2695

\*with pedestrian decreases door LP by 20mm

### **OVERBAS DOOR CLEARANCE - Not protruding**

measures in mm



Н	A-A	15 H	B-B	36H	R	R1	LP:
1980	560	990	1050	1480	1930	2010	1685
2030	570	1015	1075	1520	1980	2060	1735
2080	580	1040	1100	1560	2030	2110	1785
2130	590	1065	1125	1600	2080	2160	1835
2180	600	1090	1150	1630	2130	2210	1885
2230	610	1115	1175	1670	2180	2260	1935
2280	620	1140	1200	1710	2230	2310	1985
2330	630	1165	1225	1750	2280	2360	2035
2380	640	1190	1250	1790	2330	2410	2085
2430	650	1215	1275	1820	2380	2460	2135
2480	660	1240	1300	1860	2430	2510	2185
2530	670	1265	1325	1900	2480	2560	2235
2580	680	1290	1350	1940	2530	2610	2285
2630	690	1315	1375	1970	2580	2660	2335
2680	700	1340	1330	2010	2600	2710	2385

\*with pedestrian decreases door LP by 20mm

#### STANDARD FEATURES

- Frame made by 2mm thick metal sheet steel, lacquered white RAL 9016 or RAL 7016.
   (for doors to be installed in highly aggressive/corrosive natural environments, we recommend using the AISI 316 stainless steel frame and aluminum panels)
- Lateral double counterweight system.
- Leaf made by sandwich panels 40mm or 75mm thick with polyurethane foam, horizontally oriented and mechanically joined.
- Bottom seal in EPDM rubber with draining profile Anti-entrapment perimeter seal in EPDM rubber, water and wind proof.

#### **TECHNICAL SPECIFICATIONS**

- Trackless garage door with door opening in 2 overlapping sections (OVERLAP) - Un and Over garage door (OVERBAS)
- Thermal transmittance of the door U=1,30 W/m<sup>2</sup>K\* (NEW PLANA 75mm).
- Thermal transmittance of the door U=1,5 W/m<sup>2</sup>K\* (CLASSIC, NEW PLANA 40mm).
  - \*values obtained for a door without windows and grids with behind wall installation). Excellent performance in terms of acoustics insulation and air/water/wind resistance.

Motor OverMotion 2018 hidden inside the headbar. Receivers and remote controls are not included (optionals). In case there is not a secondary access to the garage, it is compulsory to order a double handle.

Delta Overlap dealer:		

# WARRANTY

In addition to the 2-years legal warranty, DELTA OVERLAF supports its customers over time offering them an additional coverage period for a total of:

10 years

5 years

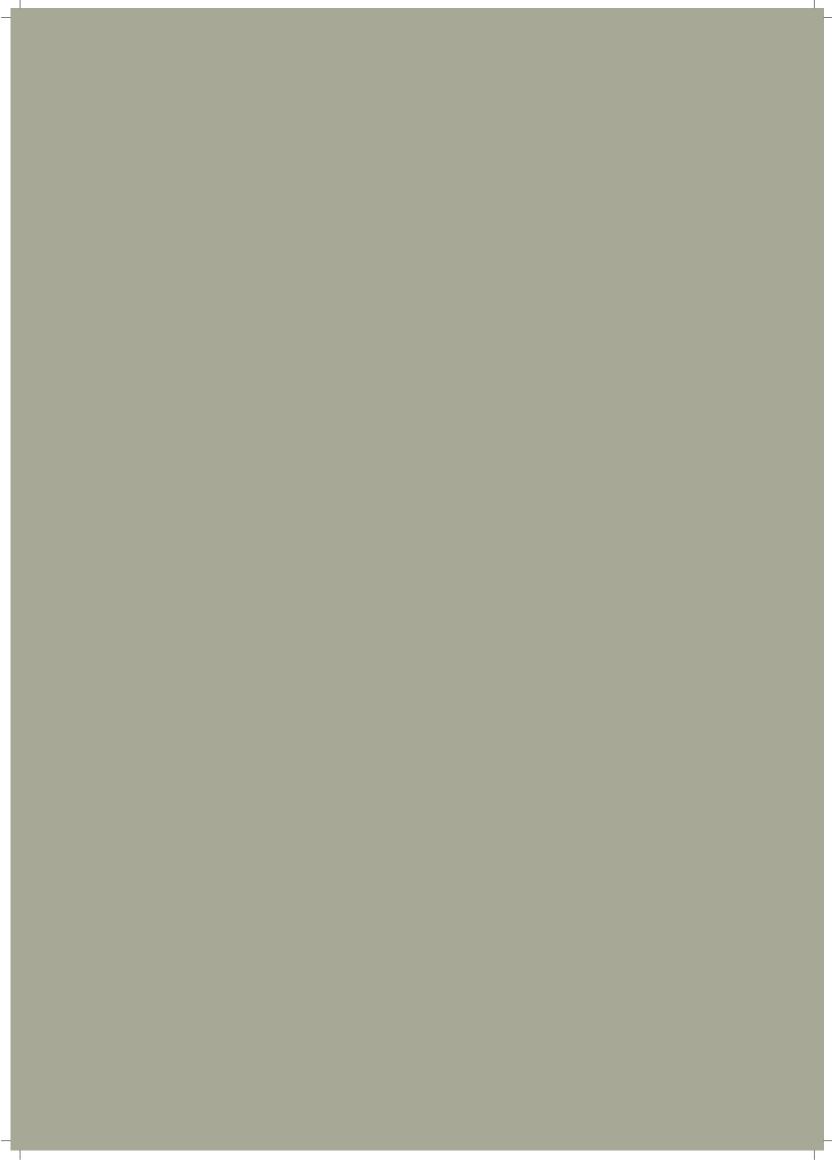
on extaernal panel surface of Plana Model and Woodstyle plus surface

in accordance with the recommendations in the Delta Overlap sale conditions and in the installation and owner's manual.





DELTAOVERLAP SRL in order to improve the quality of its doors, reserves the right to make changes to its products at any time, to improve customers satisfaction. The images in this brochure are for the purposes of representing the product and are purely indicative and not binding.





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