

FRONTAL<sup>24</sup>



## Entrance Doors

AS67 | AL80 | AL100

FRONTAL24.COM



# Table of Contents

About us	4	Door type AL80	32
Door type AS67	6	Door type AL100	34
Door leaf structure	8	Types of frames	36
Door sealing	8	Magnetic threshold	37
Hinges	8	Hinges	37
Threshold	8	Concealed hinges	37
Dimensions	8	Door leaf glazing	38
Door leaf glazing	10	Standard RAL colours	39
Standard RAL colours	11	Wood images	39
Wood images	11	Side & top elements	40
Side & top elements	12	“Etched” effect glazing	41
“Etched” effect glazing	13	Glazing options	43
Glazing options	15	Brushed stainless metal handles	44
Brushed stainless metal handles	16	Lever and knob handles	45
Lever and knob handles	17	Escutcheons	46
Escutcheons	18	Lock cylinders	46
Lock cylinders	18	Finger scanners	47
Finger scanners	19	Keypads	48
Keypads	20	Locks	49
Locks	21	Inspiration	50
Inspiration	22	Standard designs	94
Standard designs	22	Exclusive designs	98
		Classic designs	99
		Matching design	100

# About us

Your front door is a key element of your house facade. Every day you see, touch and use it. Consequently, your door should complement the facade, be safe and secure whilst providing the very best insulation from the elements. High tech. finishes and the very best accessories should ensure maintenance free use.

Frontal offers a wide range of made-to-measure front doors in numerous design choices including the possibility to create your individual / bespoke design. The latest technologies combined with the perfect design features ensure an outstanding appearance and performance.





SIB BILTIES

# Door type AS67

AS67 frame is made of composite aluminium profiles with 24 mm thick thermal break. Leaf is 67 mm thick with double steel skin filled with Freon free PU foam.

All windows and sidelights are triple glazed with safety glass. You can choose clear, obscure, opaque or tinted glazing options. Etched effect custom glazing available on request.



0.94 W/m<sup>2</sup>K\*

Thermal transmittance U value



RC 2

Safety resistance class EN 12519



4

Wind resistance class EN 12207:199-11



4A

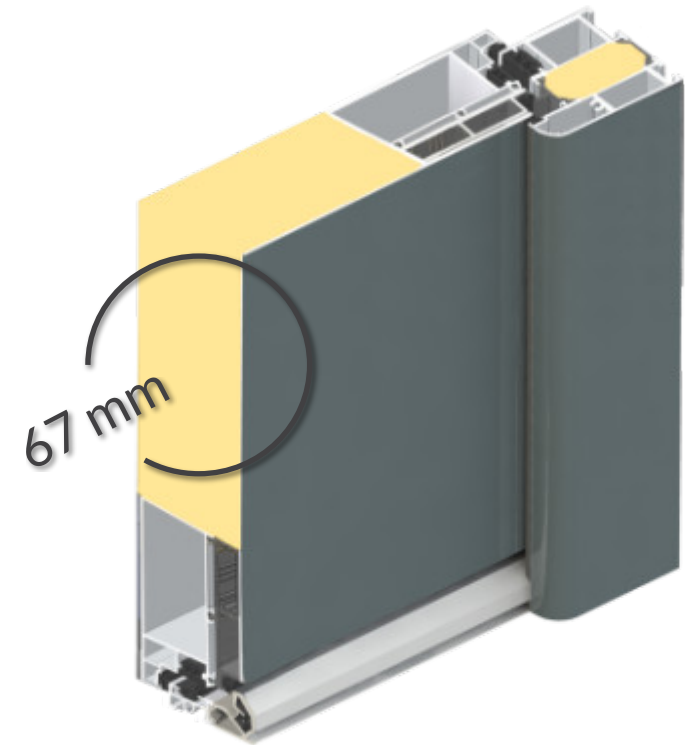
Rain resistance class EN 12208:199-11



34.5 Db

Sound reduction EN 717-1:2013

\* for 1000x2200 mm size plane leaf doors



## As standard:



3 point lock L3P



Lock cylinder CWA



Escutcheon ESC3



Inside handle HL-W



External handle H45R-500 or H45S-500



Design 110

Door type RD67

Outside colour RAL 7040

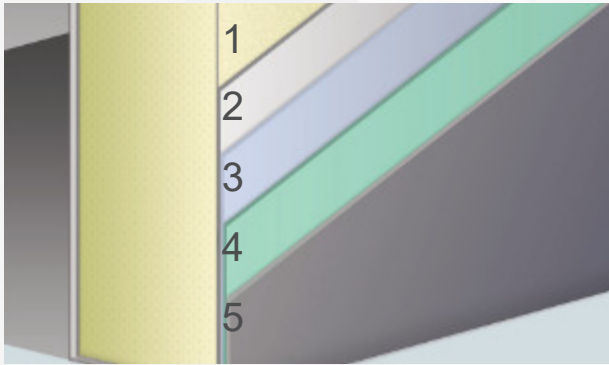
Handle H45R-1200

Escutcheon ESC-2

Glazing Matt SGM

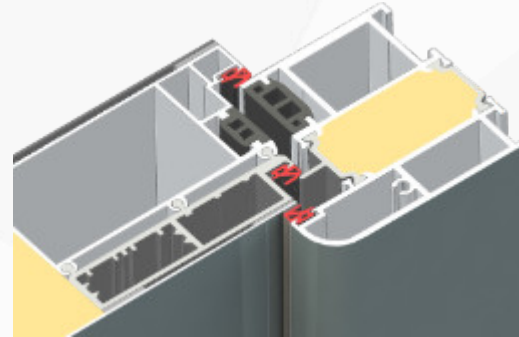
Applicue Brushed aluminium appliqué

## Door leaf Structure



- 1 Polyurethane foam
- 2 Cold rolled steel
- 3 Hot dip galvanisation
- 4 Chemical treatment
- 5 Powder coated

## Door Sealing



Triple rubber sealing contour provides perfect insulation. D-shape silicone rubber is not ageing or shrinking therefore door insulation does not change during a lifetime.

## Hinges



Hinges are strong enough to support doors weighing up to 120 kg weight. Allow door to open up 180°. Hinge diameter 18 mm.

### Adjustable in three directions:

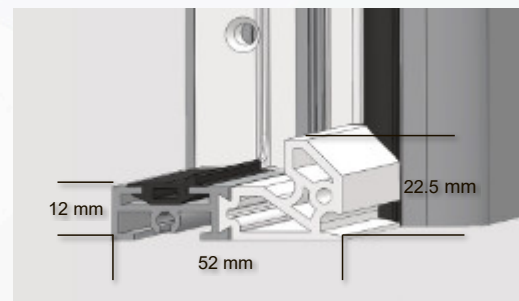
- Vertically +/- 3 mm;
- Horizontally +/- 3 mm;
- Sealing pressure +/- 1.0 mm.

## Threshold



Heavy-duty durable aluminium and PVC composite threshold profile perfectly seals bottom of the door protecting your home from drafts, moisture, dust and insects.

## Dimensions



Threshold height is 12 mm on the inside and 22.5 mm on the outside.

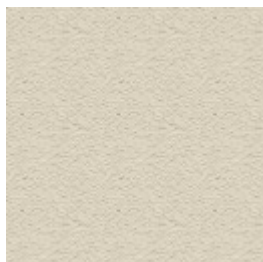


HOME

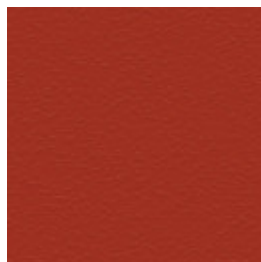
# Door leaf glazing



# Standard RAL colours



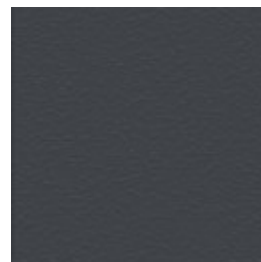
RAL 1013  
Structure



RAL 3000  
Structure



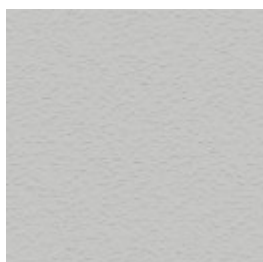
RAL 6005  
Structure



RAL 7016  
Structure



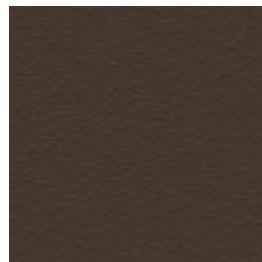
RAL 7032  
Structure



RAL 7035  
Structure



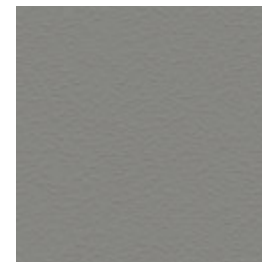
RAL 7038  
Structure



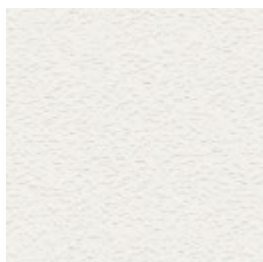
RAL 8017  
Structure



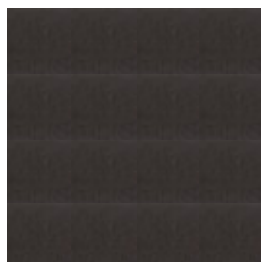
RAL 9006  
Structure



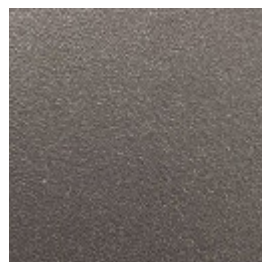
RAL 9007  
Structure



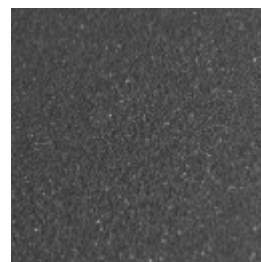
RAL 9016  
Structure



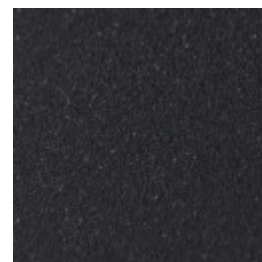
TG 29/60731



TG 29/90147

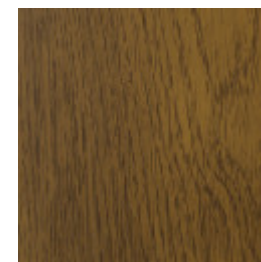


TG 68/80043

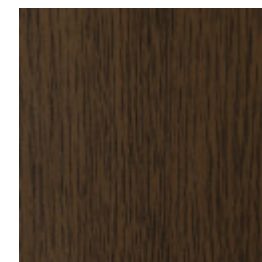


DB 703

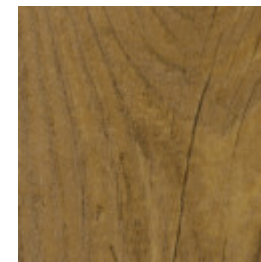
# Wood images



Golden Oak



Old Oak



Winchester Oak

Other RAL Colours

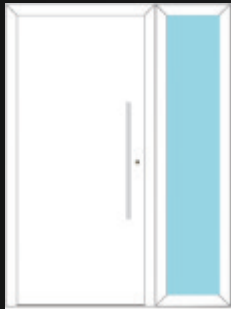


\* Please note that colours depicted for guidance only. Please use official printed materials for colour accuracy.

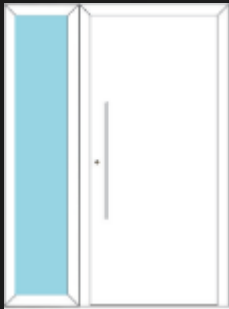
# Side & top elements



LRW



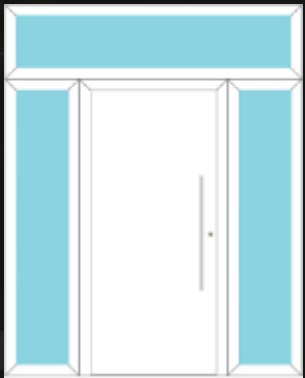
RW



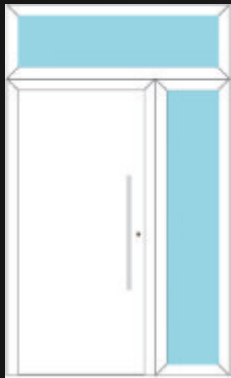
LW



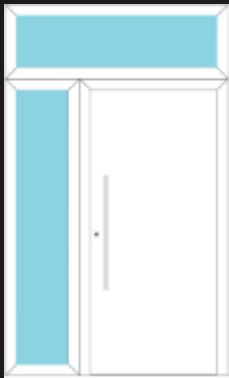
TW



TLRW



TRW



TLW

“Etched” effect glazing





Design 112  
Door type AS67  
Outside colour RAL 9016  
Handle H45R-800  
Escutcheon ESC-1  
Glazing Crepi  
Applique Brushed aluminium appliqué

# Glazing options

STANDARD



Clear SGC

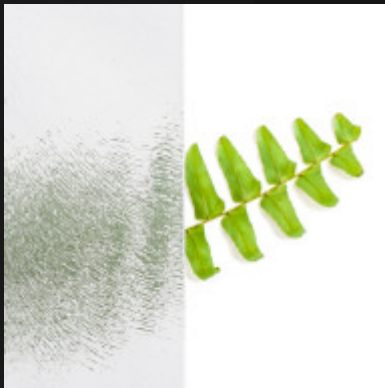


Matt SGM

NON-STANDARD



Similar to Delta Nr. 121



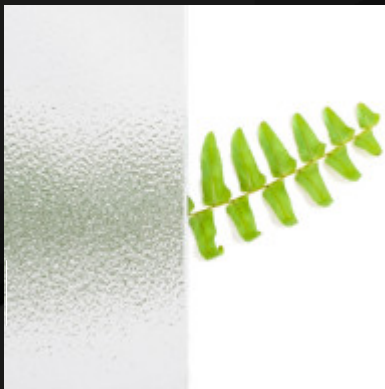
Chinchilla



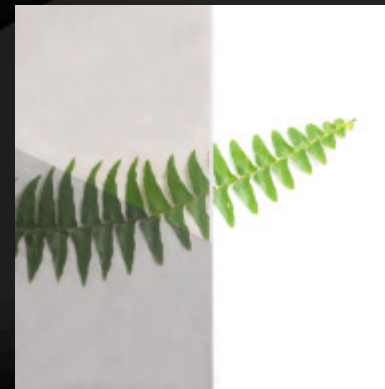
KathedRAL Klein



Similar to Silvit Nr. 118



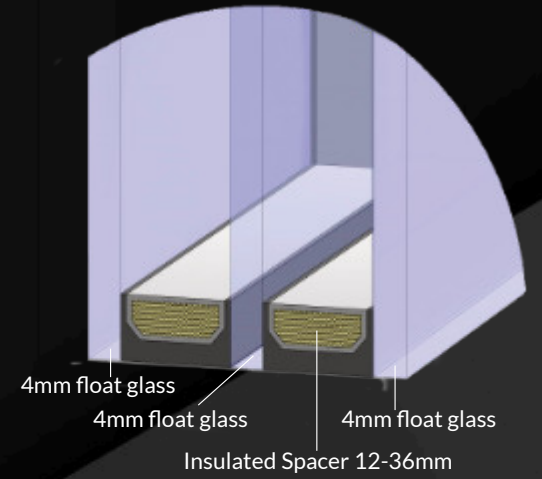
Crepi



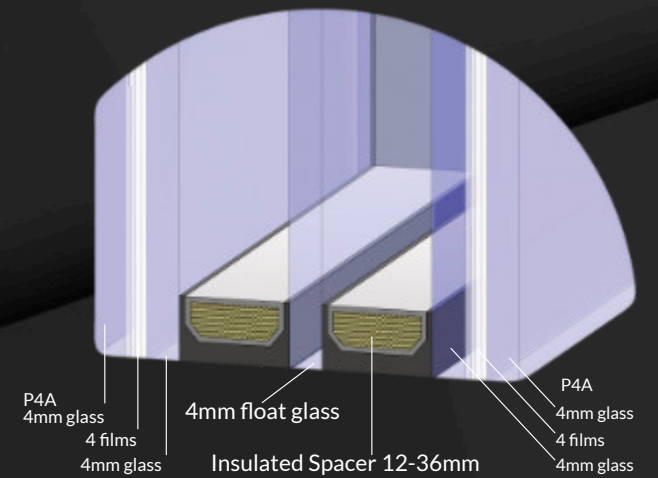
Tinted SGT

Brown | Grey

4mm Float + 4mm Float + 4mm Float



P4A + 4mm Float + P4A



## Brushed stainless metal handles

H45R

Ø 30 mm

45°

↑ 500 mm  
↑ 800 mm  
↑ 1200 mm

H45S

30x20 mm

45°

↑ 500 mm  
↑ 800 mm  
↑ 1200 mm

H90R

Ø 30 mm

90°

↑ 500 mm  
↑ 800 mm  
↑ 1200 mm

H90S

30x20 mm

90°

↑ 500 mm  
↑ 800 mm  
↑ 1200 mm



## Lever and knob handles



HL-W (White)



HL-B (Black)



HK-W (White)\*



HK-B (Black)\*



HLA (Aluminium)



HLS 01



HLS 02  
(Stainless steel)



HLS 03  
(Stainless steel)



HLS 04  
(Stainless steel)



HLS 05  
(Stainless steel)



HLS 06  
(Stainless steel)



HLS 07  
(Stainless steel)\*

\*In pairs only. The rest can be fitted inside or in pairs



## Escutcheons



ESC-1



ESC-2

You can choose from two stainless steel escutcheons.

## Lock cylinders



CWA



CWA+TT

WILKA lock cylinders are famous for their security and reliability. You can choose one of three safety classes: A, B or C the highest.

WILKA cylinder comes with 5 keys.

Additional keys are available on request.



# Finger scanners



**FSC2** - can be installed on to door leaf. The finger scanner is mounted in the wall using stainless-steel accessories (in-wall set).

The finger scanner will only operate when connected to an ekey control panel.

Both finger scanners can be controlled by app. So you can open the door with your smart-phone and enjoy all the benefits of operation via app.



**FSC3** - Secure and easy to operate Sommer finger scanners Increase key free security and convenience.

Each user can enter three separate fingerprints to control your entrance door, garage door and gates. One simple swipe opens or closes your devices as desired.



**FSC4** - SIEGENIA fingerprint scanner with SI-BUS technology. Direct installation without separate control unit. With WIFI and Bluetooth chip as standard. Administration of up to 200 users or 800 features. Control via the SIEGENIA Comfort app is possible.

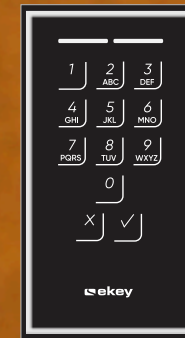
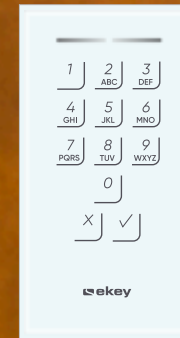


All finger scanners are compatible with: L3P+D&N+EM, L5PMA or L5PA locks.

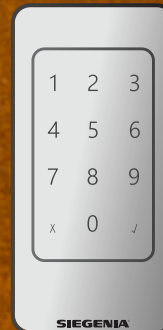
# Keypads



**KP1** - The keypad for mounting on the wall. 3 different codes can operate 2 different relays.



**KP2/KP3** - ekey Integra keypads are secure and easy to operate. Up to 99 individual users. The Keypad can be installed on door leaf or on the wall.



**KP4** - SIEGENIA keypad with SI-BUS technology. Direct installation without separate control unit. With WIFI and Bluetooth chip as standard. Administration of up to 200 users or 800 features. Control via the SIEGENIA Comfort app is possible.



**KP5** - ENTRAcodes+ access is secured by means of a numeric code. The code consists of 4 to 8 digits, as desired, and can be set individually.

All keypads are compatible with: L3P+D&N+EM, L5PMA or L5PA locks.

# Locks

**KFV locks** are made from high-quality materials with precise workmanship. Hi-tech mechanics ensure reliable, precise and easy operation. Lots of options starting from the simplest 3 point lock up to sophisticated 5 point lock.



**L3P** - 3 points multiple lock. Main lock deadbolt and hook bolts operated by the key.

**L5P** - 5 points multiple lock. Two round latch bolts lock the leaf on closure automatically and opens by the key. Deadbolt and hook bolts operated by the key.

**L3P+D&N** - day & night. 3 point multi-point lock with option to temporary disable self-locking. Main deadbolt and hook bolts operated by the key.

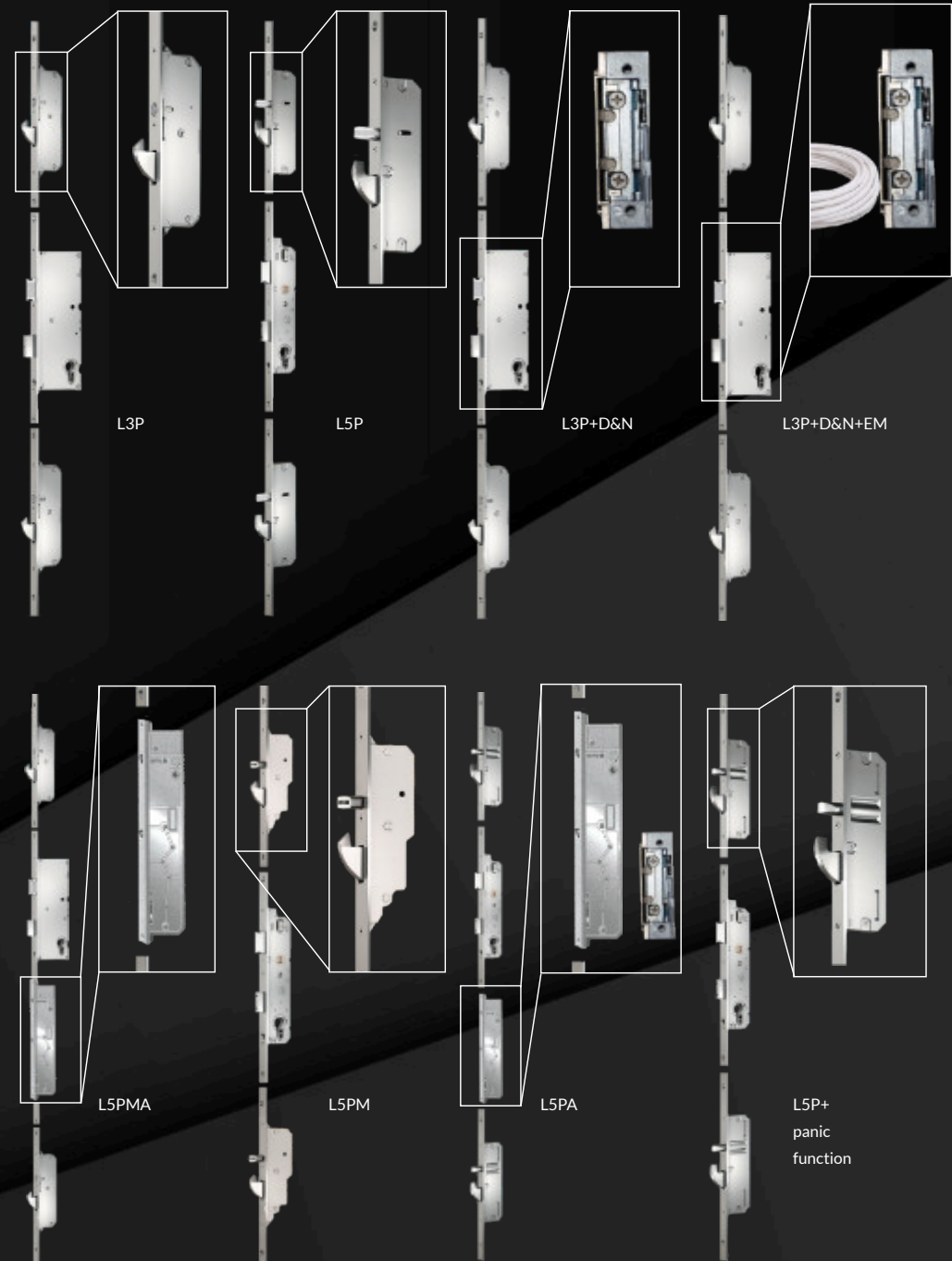
**L3P+D&N+EM electric** - 3 points multi-point lock with electric latch and option to temporary disable self-locking. Main lock deadbolt and hook bolts operated by the key.

**L5PMA electric - L5PMA electric** - 5 points multi-point lock. Round latch and hook bolts lock the leaf on closure automatically. Deadbolt operated by the key only. If deadbolt is engaged automatic unlocking is disabled. All latches open by electric drive when turning the key or pressing lever handle. Lock can be connected to finger-scanner or keypad (optional). Not compatible with lever handle from outside, pull handle only.

**L5PM without electric motor** - 5 point multi-point lock. Round latch and hook bolts lock the leaf on closure automatically. Deadbolt operated by the key only. Not compatible with lever handle from outside, pull handle only.

**L5PA electric** - 5 point multi-point lock with all latches and deadbolt operated by electric drive. Locks automatically when closing the door. All latches and deadbolt open by electric drive when turning the key or pressing lever handle. Not compatible with lever handle from outside, pull handle only. Lock can be connected to finger-scanner and keypad (optional). Electromagnetic strike included. Not available when overRAL I frame height is less than 2035mm.

**L5P + panic function electric** - 5 points multi-point lock with all latches and deadbolt operated by electric drive. Locks automatically when closing the door. All latches and deadbolt open by electric drive when turning the key or pressing lever handle. Not compatible with lever handle from outside, pull handle only. Lock can be connected to finger-scanner and keypad (optional).



0,94<sup>W/m²K</sup>



Design 103

Door type AS67  
Outside colour RAL 7011  
Handle H45R-500  
Escutcheon ESC-2  
Applique Brushed aluminium appliqué

0,94<sup>W/m²K</sup>



Design 104

Door type AS67  
Outside colour RAL 7021  
Handle H45S-800  
Escutcheon ESC-2  
Applique Brushed aluminium appliqué

0,94<sup>W/m²K</sup>



Design 108

Door type AS67  
Outside colour RAL 7000  
Handle H90R-1200  
Escutcheon ESC-2  
Applique Brushed aluminium appliqué



Design 102

Door type AS67

Outside colour RAL 7016

Handle H45R-500

Escutcheon ESC-2

Applique Brushed aluminium appliqué



Design 126

Door type AS67

Outside colour RAL 5020

Handle H90S-500

Escutcheon ESC-2

Glazing Clear SGC

1,2 <sup>W/m²K</sup>



Design 110

Door type AS67  
Outside colour RAL 6020  
Handle H45R-500  
Escutcheon ESC-2  
Glazing Matt SGM  
Applique Brushed aluminium appliqué

1,2 <sup>W/m²K</sup>



Design 112

Door type AS67  
Outside colour RAL 8003  
Handle H45R-500  
Escutcheon ESC-2  
Glazing Matt SGM  
Applique Brushed aluminium appliqué

1,2 <sup>W/m²K</sup>



Design 113

Door type AS67  
Outside colour RAL 5008  
Handle H45R-500  
Escutcheon ESC-2  
Glazing Matt SGM  
Applique Brushed aluminium appliqué

1,2 <sup>W/m<sup>2</sup>K</sup>



### Design 116

Door type AS67  
Outside colour RAL 6012  
Handle H90S-500  
Escutcheon ESC-2  
Glazing Matt SGM  
Applique Brushed aluminium appliqué

1,2 <sup>W/m<sup>2</sup>K</sup>



### Design 117

Door type AS67  
Outside colour RAL 7015  
Handle H90S-500  
Escutcheon ESC-2  
Glazing Matt SGM  
Applique Brushed aluminium appliqué  
Accessories Spyhole

1,2 <sup>W/m<sup>2</sup>K</sup>



### Design 118

Door type AS67  
Outside colour RAL 6020  
Handle H90S-500  
Escutcheon ESC-2  
Glazing Matt SGM  
Applique Brushed aluminium appliqué



Design 129  
Door type AS67  
Outside colour RAL 7034  
Handle H90R-500  
Escutcheon ESC-2  
Glazing Matt SGM



Design 128

Door type AS67

Outside colour Golden Oak

Handle H90S-500

Escutcheon ESC-2

Glazing Matt SGM

1,2 <sup>W/m<sup>2</sup>K</sup>



Design 115

Door type AS67  
Outside colour RAL 9016  
Handle H45R-800  
Escutcheon ESC-2  
Glazing Matt SGM  
Applique Brushed aluminium appliqué

1,2 <sup>W/m<sup>2</sup>K</sup>



Design 121

Door type AS67  
Outside colour RAL 7040  
Handle H45R-800  
Escutcheon ESC-2  
Glazing Matt SGM  
Applique Brushed aluminium appliqué

1,2 <sup>W/m<sup>2</sup>K</sup>



Design 123

Door type AS67  
Outside colour RAL 7016  
Handle H90S-500  
Escutcheon ESC-2  
Glazing Matt SGM  
Applique Brushed aluminium appliqué

# Standard designs



100 101 102 103 104 105 106 107 108 109 110 111



112 113 114 115 116 117 118 119 120 121 122 123



124 125 126 127 128 129 130 131 132 133 134 Individual Design



HAPPY YOU  
HAPPY US

# Door type AL80

The door frame is constructed from aluminium profiles including a thermal break to reduce thermal transference from the outer to inner skin. The door leaf is made from 2.5mm (outer) and 1.5mm (inner) aluminium sheets (some designs may differ).

The doors inner core, assembly profiles and frames are filled with a strong environmentally friendly Freon free PU foam.

Triple all round perimeter rubber weather sealing completes a combination that gives Frontal entrance doors the following performance values:



0.69 W/m<sup>2</sup>K

Thermal transmittance  
U value



RC 3\*

Safety resistance class  
EN 12519



3

Wind resistance class  
EN 12207:199-11



6A

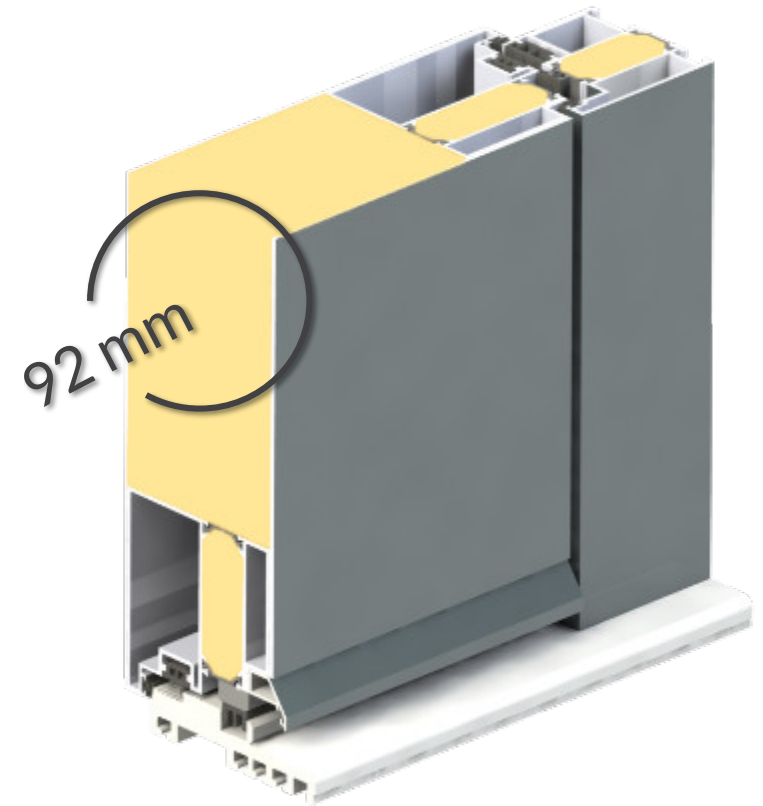
Rain resistance class  
EN 12208:199-11



32 Db

Sound reduction  
EN 717-1:2013

\* RC2 as standard - RC3 upgrade optional



## As standard:



3 point lock L3P



Lock cylinder CWA



Escutcheon ESC3



Inside handle HL-W or HLS10 or HLS11



External handle H45R-500 or H45S-500  
or H90R-500 or H90S-500



**Individual design**

Door type AL100

Outside colour TG29/50704

Handle H90R-FSC-1600

Escutcheon ESC-3

Decor Special painting technology

# Door type AL100

A high quality durable magnetic 'pop-up' threshold is supplied with all AL80 & AL100 doors. Opening into the building and out are available.

All door leaf windows are triple glazed with safety glass. Many decorative glass options are available including bespoke / custom engraving. Individual design elements can be added to complete your bespoke / custom doors.

All doors are made to order up to 1250mm wide & 2300mm high. For larger sizes consult manufacturer for feasibility.



0.65 W/m<sup>2</sup>K

Thermal transmittance U value



RC 3\*

Safety resistance class EN 12519



3

Wind resistance class EN 12207:199-11



6A

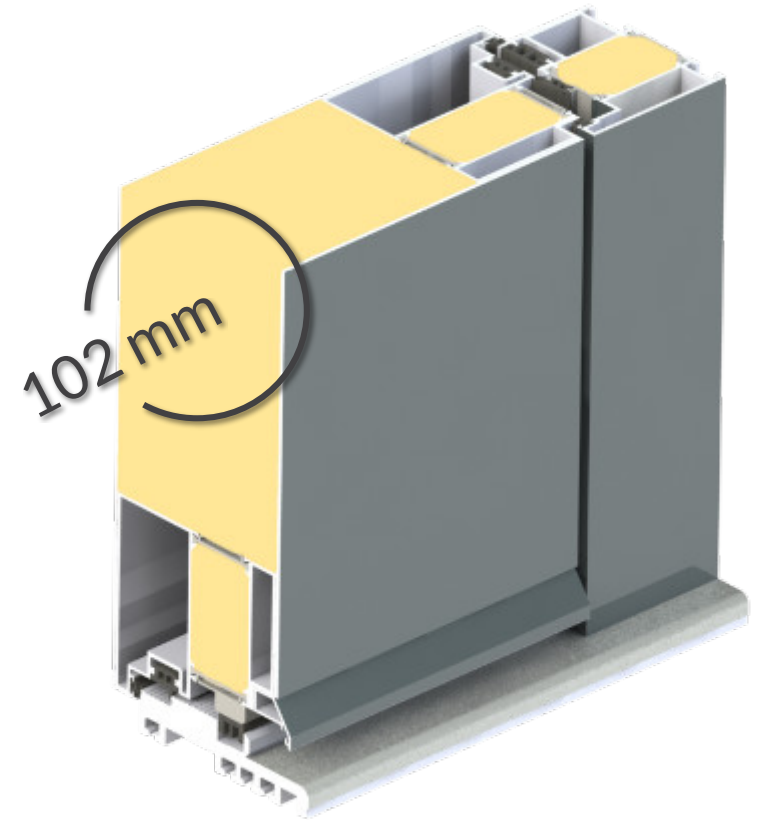
Rain resistance class EN 12208:199-11



32 Db

Sound reduction EN 717-1:2013

\* RC2 as standard - RC3 upgrade optional



## As standard:



3 point lock L3P



Lock cylinder CWA



Escutcheon ESC3



Inside handle HL-W or HLS10 or HLS11



External handle H45R-500 or H45S-500 or H90R-500 or H90S-500



Design 641  
Door type AL80  
Outside colour RAL 7021  
Handle H90WD/G-1200  
Escutcheon ESC-3  
Glazing Clear SGC  
Applique Inlaid Golden Oak

# Types of frames

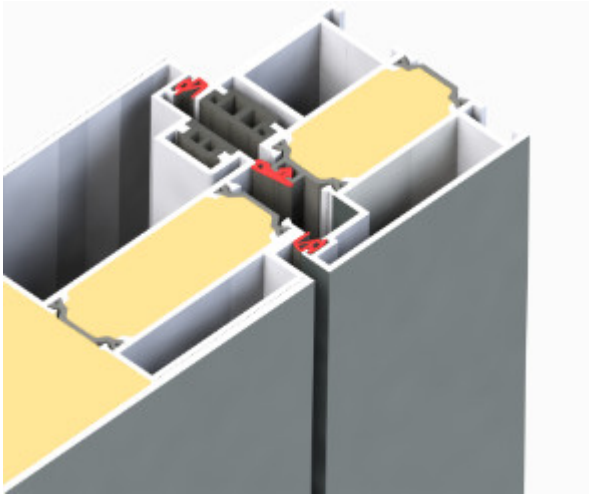


Flat



Juted

## Door leaf



Flush leaf with aluminium sheet skin.

Three contour sealing ensures perfect insulation.

Door has three seal contours: one on the frame and two on the leaf.

## Hinges

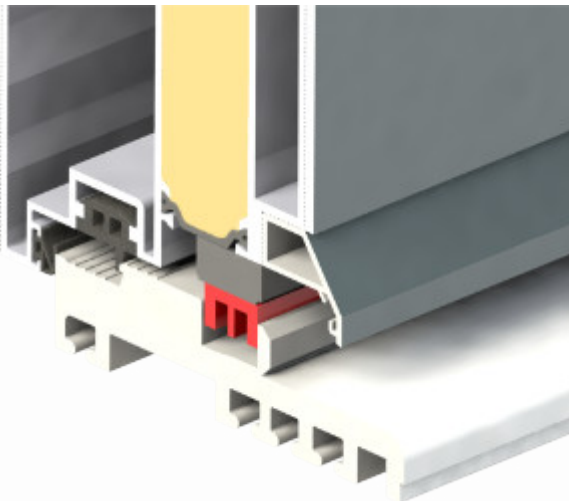


Depending on the design of the profile sections, the 3-piece hinges are able to support doors weighing up to 120 kg.

These two series are fastened with the aid of self-drilling screws in the reinforcement of the frame profile with long pins to distribute the forces, acting on the hinge.

It also leaves the seal untouched, thus ensuring maintenance of the maximum insulation values. It can be adjusted very conveniently and with little effort in three directions.

## Magnetic threshold



The 'pop-up' magnetic strip is a high quality durable and maintenance free threshold system that significantly improves insulation and draughts. Two further rubbers ensure the best possible performance.

As the door closes a magnetic strip rises to create a perfect seal between the threshold and door.

As the door opens the strip gently drops back into its groove reducing the step.

Our magnetic threshold has been designed to reduce the obstacles met by wheelchairs, prams and other wheeled vehicles.

## Concealed hinges

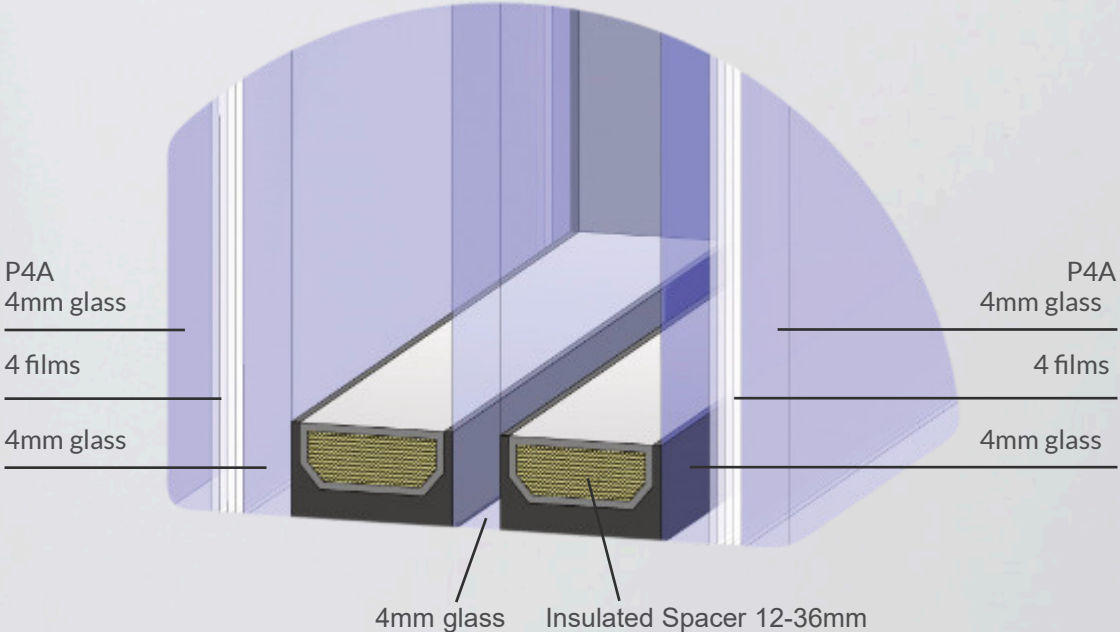


The Wala WU hidden hinge is a certified product with a capacity of 150 kg. It guarantees quick and easy assembly. Wala WU hinge provides smooth adjustments in three directions.

Concealed hinges are available with inside opening RD100 doors only.

# Door leaf glazing

Triple glazed windows on door leaves. Safety glass P4A outside and inside.



# Standard RAL colours



RAL 1013  
Gloss 20% / structure



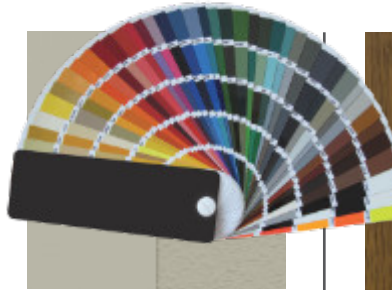
RAL 3000  
Gloss 20% / structure



RAL 6005  
Gloss 20% / structure



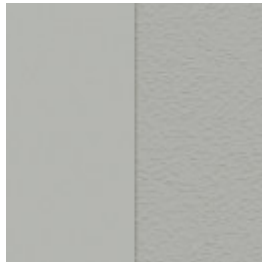
RAL 7016  
Gloss 20% / structure



RAL 7032  
Gloss 20% / structure



RAL 7035  
Gloss 20% / structure



RAL 7038  
Gloss 20% / structure



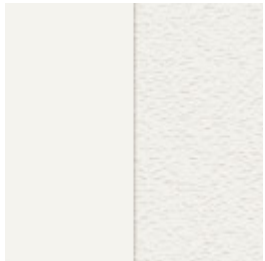
RAL 8017  
Gloss 20% / structure



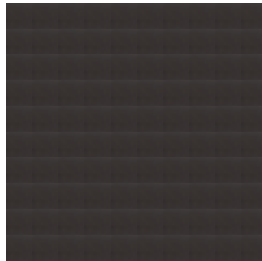
RAL 9006  
Gloss 20% / structure



RAL 9007  
Gloss 20% / structure



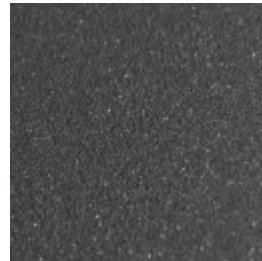
RAL 9016  
Gloss 20% / structure



TG 29/60731



TG 29/90147

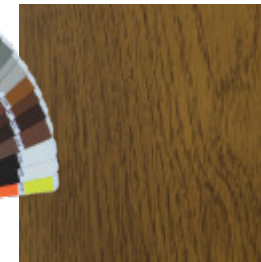


TG 68/80043

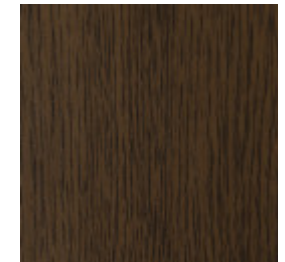


DB 703

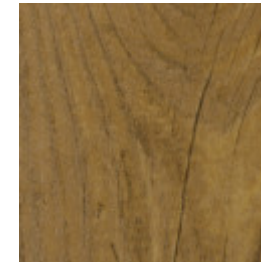
# Wood images



Golden Oak



Old Oak



Winchester Oak

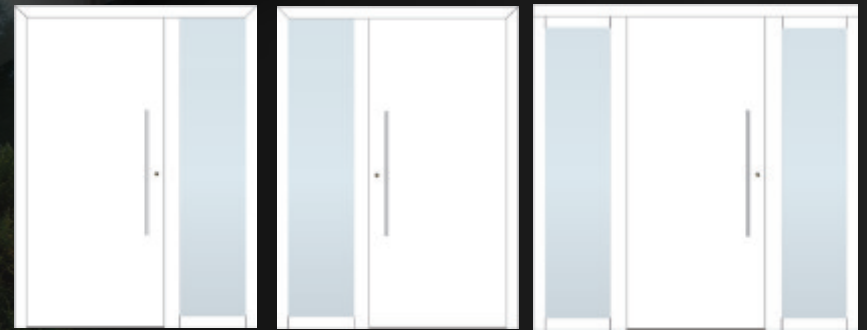


Other RAL Colours

Structure painting  
available upon  
request

\* Please note that colours depicted for guidance only.  
Please use official printed materials  
for colour accuracy.

## Side & top elements



RW

LW

LRW



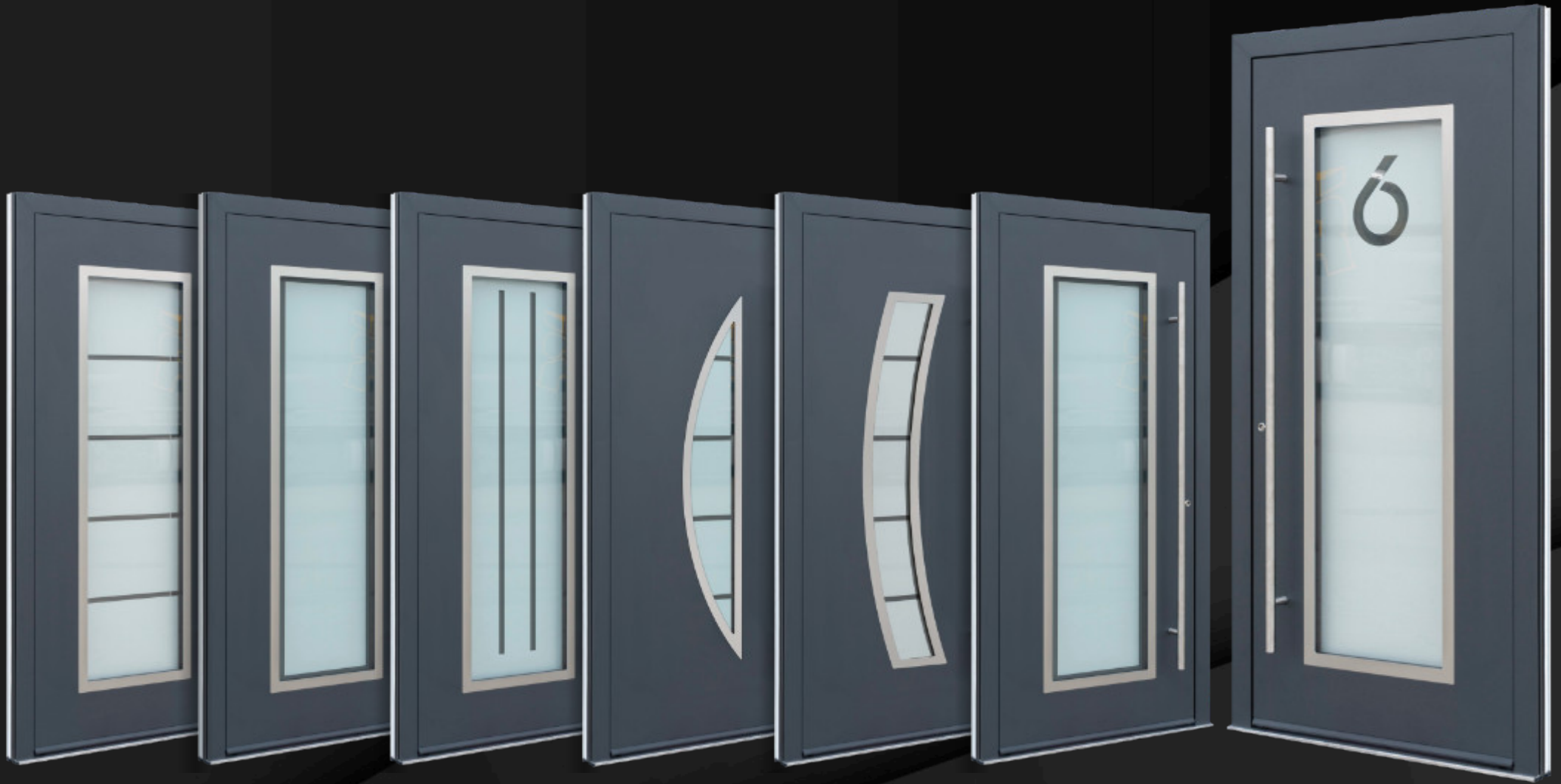
TRW

TLW

TLRW

TW

“Etched” effect glazing





## Individual design

Door type AL80

Outside colour RAL 7016

Handle H90R-500

Escutcheon ESC-1

Glazing Delta Nr. 121

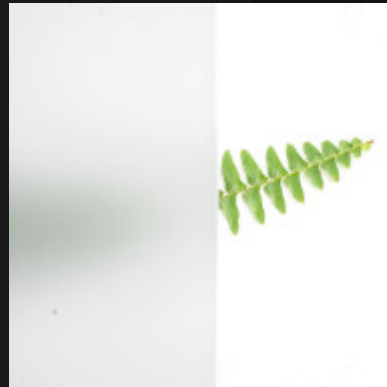
Applique Inlaid brushed stainless metal

# Glazing options

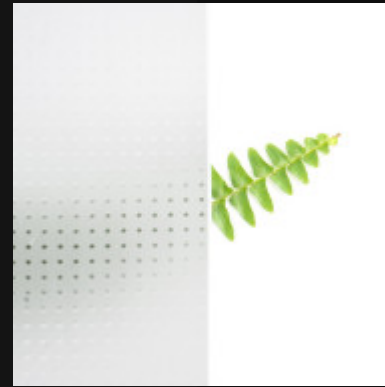
STANDARD



Clear SGC



Matt SGM

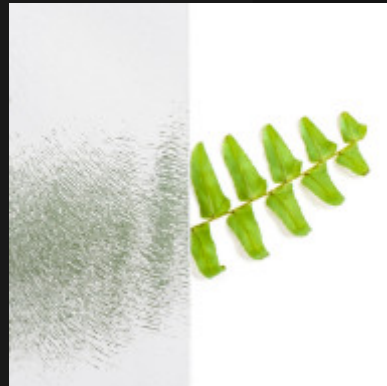


Patterned SGP

NON-STANDARD



Similar to Delta Nr. 121



Chinchilla



KathedRAL Klein



Similar to Silvit Nr. 118



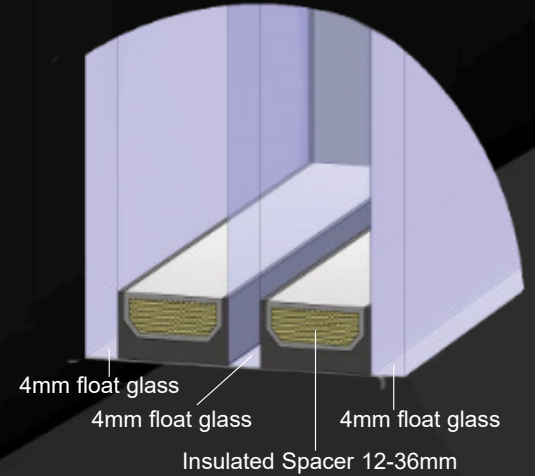
Crepi



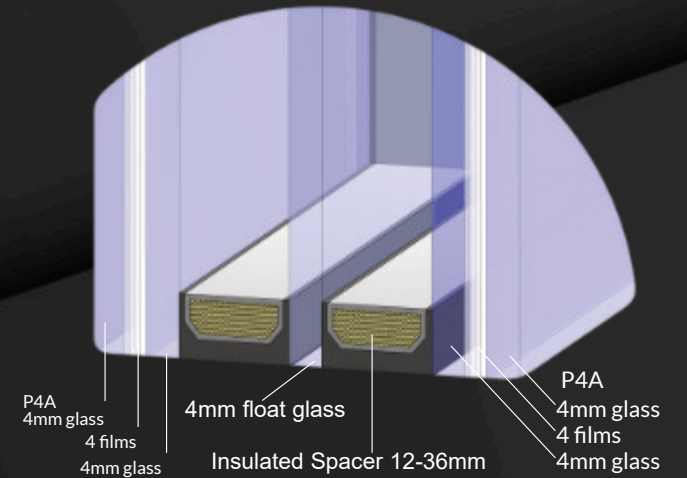
Tinted SGT

Brown | Grey

4mm Float + 4mm Float + 4mm Float



P4A + 4mm Float + P4A



# Brushed stainless metal handles



H45R  
Ø 30 mm  
45°

500 mm  
800 mm  
1200 mm  
1400 mm  
1600 mm

H45S  
30x20 mm  
45°

500 mm  
800 mm  
1200 mm  
1400 mm  
1600 mm

H45S  
Ø 30 mm  
90°

500 mm  
800 mm  
1200 mm  
1400 mm  
1600 mm  
1800 mm

H90R+FSC1  
Ø 30 mm  
90°

500 mm  
800 mm  
1200 mm  
1400 mm  
1600 mm  
1800 mm

H90S  
30x20 mm  
90°

500 mm  
800 mm  
1200 mm  
1400 mm  
1600 mm  
1800 mm

H90S+FSC1  
30x20 mm  
90°

500 mm  
800 mm  
1200 mm  
1400 mm  
1600 mm  
1800 mm

H90S40  
40x10 mm  
90°

500 mm  
800 mm  
1200 mm  
1400 mm  
2000 mm

H90S40B  
40x10 mm  
90°

500 mm  
800 mm  
1200 mm

H90RB  
Ø 30 mm  
90°

500 mm  
800 mm  
1200 mm  
1400 mm  
1600 mm

HRB  
Ø 30 mm

500 mm  
800 mm



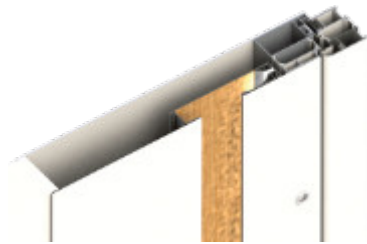
HS  
Height available:  
1000 mm



H90WD  
Heights available:  
800 mm  
1200 mm  
Colours available:  
Gold Oak  
Old Oak



IH Size available:  
(500x130 mm)



IH-ALU Sizes available:  
500 mm 1400 mm  
800 mm 1600 mm  
1200 mm 1800 mm



## Lever and knob handles



HL-W (White)



HL-B (Black)



HK-W (White)\*



HK-B (Black)\*



HLA (Aluminium)



HLS 01  
(Stainless steel)



HLS 02  
(Stainless steel)



HLS 03  
(Stainless steel)



HLS 04  
(Stainless steel)



HLS 05  
(Stainless steel)



HLS 06  
(Stainless steel)



HLS 07  
(Stainless steel)\*



HLS 10  
(White)



HLS 11  
(Aluminium)

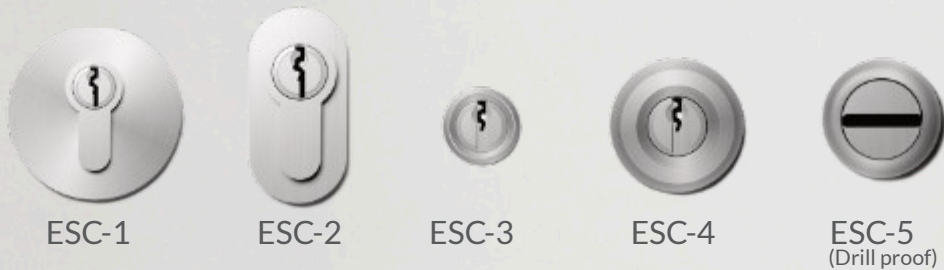


HLS 12  
(Stainless steel)

\*In pairs only (inside/outside).



## Escutcheons



You can choose from five stainless steel escutcheons.

## Partial opening lock



POL  
Available in silver or white.

## Lock cylinders



CWA

CWA+TT

WILKA lock cylinders are famous for their security and reliability. You can choose one of three safety classes: A, B or C the highest.

WILKA cylinder comes with 5 keys.  
Additional keys are available on request.

**WILKA**  
SCHLIESSTECHNIK

# Finger scanners



**FSC1** - can be inlaid into door leaf or handle. Thanks to its compact design Arte finger scanner can be integrated discreetly into unusual door designs and fittings.



**FSC2** - can be installed on to door leaf. The finger scanner is mounted in the wall using stainless-steel accessories (in-wall set).

The finger scanner will only operate when connected to an ekey control panel.

Both finger scanners can be controlled by app. So you can open the door with your smart-phone and enjoy all the benefits of operation via app.



**FSC3** - Secure and easy to operate Sommer finger scanners Increase key free security and convenience.

Each user can enter three separate fingerprints to control your entrance door, garage door and gates. One simple swipe opens or closes your devices as desired.



**FSC4** - SIEGENIA fingerprint scanner with SI-BUS technology. Direct installation without separate control unit. With WIFI and Bluetooth chip as standard. Administration of up to 200 users or 800 features. Control via the SIEGENIA Comfort app is possible.



All finger scanners are compatible with: L3P+D&N+EM, L5PMA or L5PA locks.

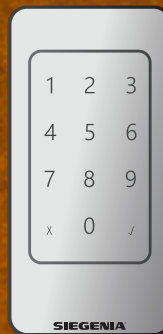
# Keypads



**KP1** - The keypad for mounting on the wall. 3 different codes can operate 2 different relays.



**KP2/KP3** - ekey Integra keypads are secure and easy to operate. Up to 99 individual users. The Keypad can be installed on door leaf or on the wall.



**KP4** - SIEGENIA keypad with SI-BUS technology. Direct installation without separate control unit. With WIFI and Bluetooth chip as standard. Administration of up to 200 users or 800 features. Control via the SIEGENIA Comfort app is possible.



**KP5** - ENTRAcodes+ access is secured by means of a numeric code. The code consists of 4 to 8 digits, as desired, and can be set individually.

All keypads are compatible with: L3P+D&N+EM, L5PMA or L5PA locks.

# Locks

**KFV locks** are made from high-quality materials with precise workmanship. Hi-tech mechanics ensure reliable, precise and easy operation. Lots of options starting from the simplest 3 point lock up to sophisticated 5 point lock.



**L3P** - 3 points multiple lock. Main lock deadbolt and hook bolts operated by the key.

**L5P** - 5 points multiple lock. Two round latch bolts lock the leaf on closure automatically and opens by the key. Deadbolt and hook bolts operated by the key.

**L3P+D&N** - day & night. 3 point multi-point lock with option to temporary disable self-locking. Main deadbolt and hook bolts operated by the key.

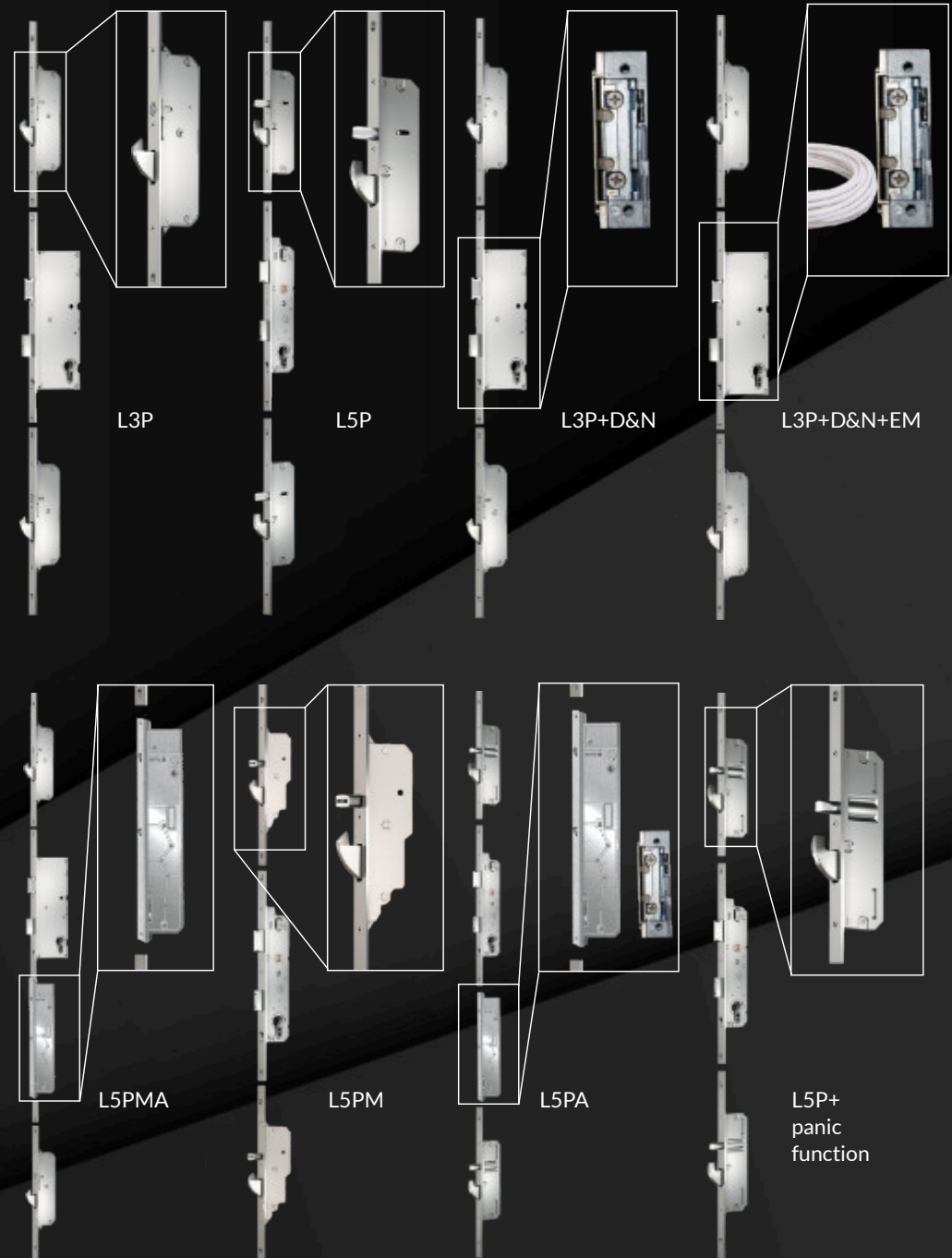
**L3P+D&N+EM electric** - 3 points multi-point lock with electric latch and option to temporary disable self-locking. Main lock deadbolt and hook bolts operated by the key.

**L5PMA electric - L5PMA electric** - 5 points multi-point lock. Round latch and hook bolts lock the leaf on closure automatically. Deadbolt operated by the key only. If deadbolt is engaged automatic unlocking is disabled. All latches open by electric drive when turning the key or pressing lever handle. Lock can be connected to finger-scanner or keypad (optional). Not compatible with lever handle from outside, pull handle only.

**L5PM without electric motor** - 5 point multi-point lock. Round latch and hook bolts lock the leaf on closure automatically. Deadbolt operated by the key only. Not compatible with lever handle from outside, pull handle only.

**L5PA electric** - 5 point multi-point lock with all latches and deadbolt operated by electric drive. Locks automatically when closing the door. All latches and deadbolt open by electric drive when turning the key or pressing lever handle. Not compatible with lever handle from outside, pull handle only. Lock can be connected to finger-scanner and keypad (optional). Electromagnetic strike included. Not available when overRAL I frame height is less than 2035mm.

**L5P + panic function electric** - 5 points multi-point lock with all latches and deadbolt operated by electric drive. Locks automatically when closing the door. All latches and deadbolt open by electric drive when turning the key or pressing lever handle. Not compatible with lever handle from outside, pull handle only. Lock can be connected to finger-scanner and keypad (optional).



0,69<sup>W/m²K</sup>



Design 203

Door type AL80  
Outside colour RAL 6033  
Handle H90R-1400  
Escutcheon ESC-3  
Applique Inlaid stainless metal

0,69<sup>W/m²K</sup>



Design 206

Door type AL80  
Outside colour RAL 7039  
Handle H90R-1400  
Escutcheon ESC-3  
Applique Inlaid stainless metal

0,65<sup>W/m²K</sup>



Design 207

Door type AL100  
Outside colour RAL 6020  
Handle H45R-500  
Escutcheon ESC-3  
Applique Inlaid stainless metal  
Kick plate Smooth



Design 208

Door type AL80

Outside colour RAL 7016

Handle H90R-1800

Escutcheon ESC-3

Applique Inlaid brushed stainless metal



Design 304

Door type AL80

Outside colour RAL 7000

Handle H90R-1400

Escutcheon ESC-3

Decor Carving

0,69<sup>W/m²K</sup>



### Design 301

Door type AL80  
Outside colour RAL 5001  
Handle H90R-1400  
Escutcheon ESC-3  
Decor Carving  
Applique Inlaid stainless metal

0,69<sup>W/m²K</sup>



### Design 310

Door type AL80  
Outside colour RAL 7043  
Handle H45R-500  
Escutcheon ESC-3  
Decor Carving  
Applique Inlaid stainless metal

0,65<sup>W/m²K</sup>



### Design 313

Door type AL100  
Outside colour RAL 1005  
Handle H90R-1400  
Escutcheon ESC-3  
Decor Carving  
Applique Inlaid stainless metal

0,9<sup>W/m²K</sup>



**Design 502**

Door type AL80  
Outside colour RAL 7043  
Handle H90R-1200  
Escutcheon ESC-2  
Glazing Patterned SGP

0,9<sup>W/m²K</sup>



**Design 506**

Door type AL100  
Outside colour RAL 6033  
Handle H90R-800  
Escutcheon ESC-2  
Glazing Tinted Grey SGT-G

0,9<sup>W/m²K</sup>



**Design 512**

Door type AL100  
Outside colour RAL 3003  
Handle H90R-500  
Escutcheon ESC-3  
Glazing Patterned SGP



Design 513

Door type AL80  
Outside colour RAL 6020  
Handle H90R-1800  
Escutcheon ESC-3  
Glazing Matt SGM



Design 517

Door type AL100

Outside colour RAL 7016

Handle H45R-1800

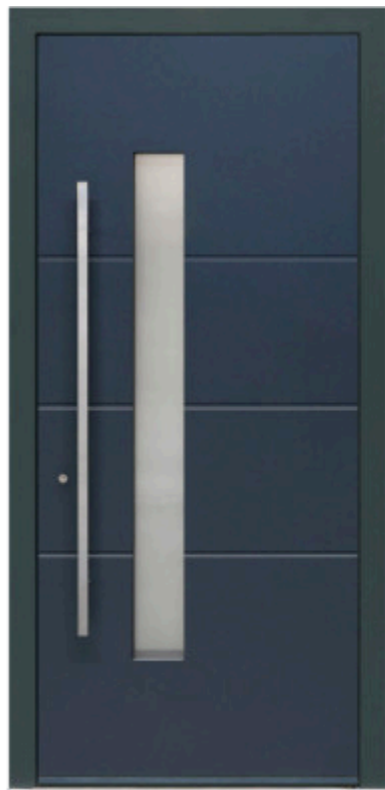
Escutcheon ESC-3

Glazing Matt SGM

Decor Carving

Finger scanner FSC3

0,9<sup>W/m²K</sup>



Design 514

Door type AL80  
Outside colour RAL 7043 + RAL 5008  
Handle H90S-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Decor Carving

0,9<sup>W/m²K</sup>



Design 520

Door type AL80  
Outside colour RAL 6020  
Handle HRB-800  
Escutcheon ESC-3  
Glazing Matt SGM  
Accessories Letter plate

1,75<sup>W/m²K</sup>



Design 521

Door type AL80  
Outside colour RAL 7043  
Handle H45R-1400  
Escutcheon ESC-3  
Glazing Patterned SGP

0,76 W/m<sup>2</sup>K



Design 601

Door type AL100  
Outside colour RAL 6012  
Handle H45S-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal

0,76 W/m<sup>2</sup>K



Design 607

Door type AL100  
Outside colour RAL 4007  
Handle H45R-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal  
Finger scanner FSC3

0,76 W/m<sup>2</sup>K



Design 609

Door type AL100  
Outside colour RAL 7039  
Handle H45R-500  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal



18 A

Design 614

Door type AL80

Outside colour RAL 7016

Handle H90R-800

Escutcheon ESC-2

Glazing Clear SGC

Applique Inlaid brushed stainless metal



**Design 613**

Door type AL100

Outside colour RAL 7021

Handle H90R-800

Escutcheon ESC-3

Glazing Matt SGM

Applique Inlaid brushed stainless metal

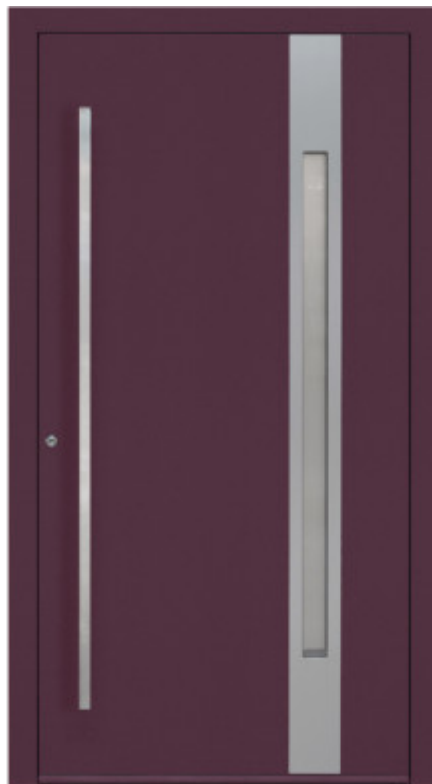
0,76<sup>W/m²K</sup>



Design 602

Door type AL100  
Outside colour RAL 7043 + RAL 7034  
Handle H90R-1600  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal

0,9<sup>W/m²K</sup>



Design 611

Door type AL80  
Outside colour RAL 4007  
Handle H90S-1800  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal

0,9<sup>W/m²K</sup>



Design 612

Door type AL80  
Outside colour RAL 5008  
Handle H90R-1600  
Escutcheon ESC-3  
Glazing Patterned SGP  
Applique Inlaid stainless metal

0,9<sup>W/m²K</sup>



Design 615

Door type AL80  
Outside colour RAL 8024  
Handle H90R-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal

0,9<sup>W/m²K</sup>



Design 616

Door type AL80  
Outside colour RAL 5001  
Handle H90R-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal

0,76<sup>W/m²K</sup>



Design 618

Door type AL100  
Outside colour RAL 6013  
Handle H90R-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal



Individual design

Door type AL80

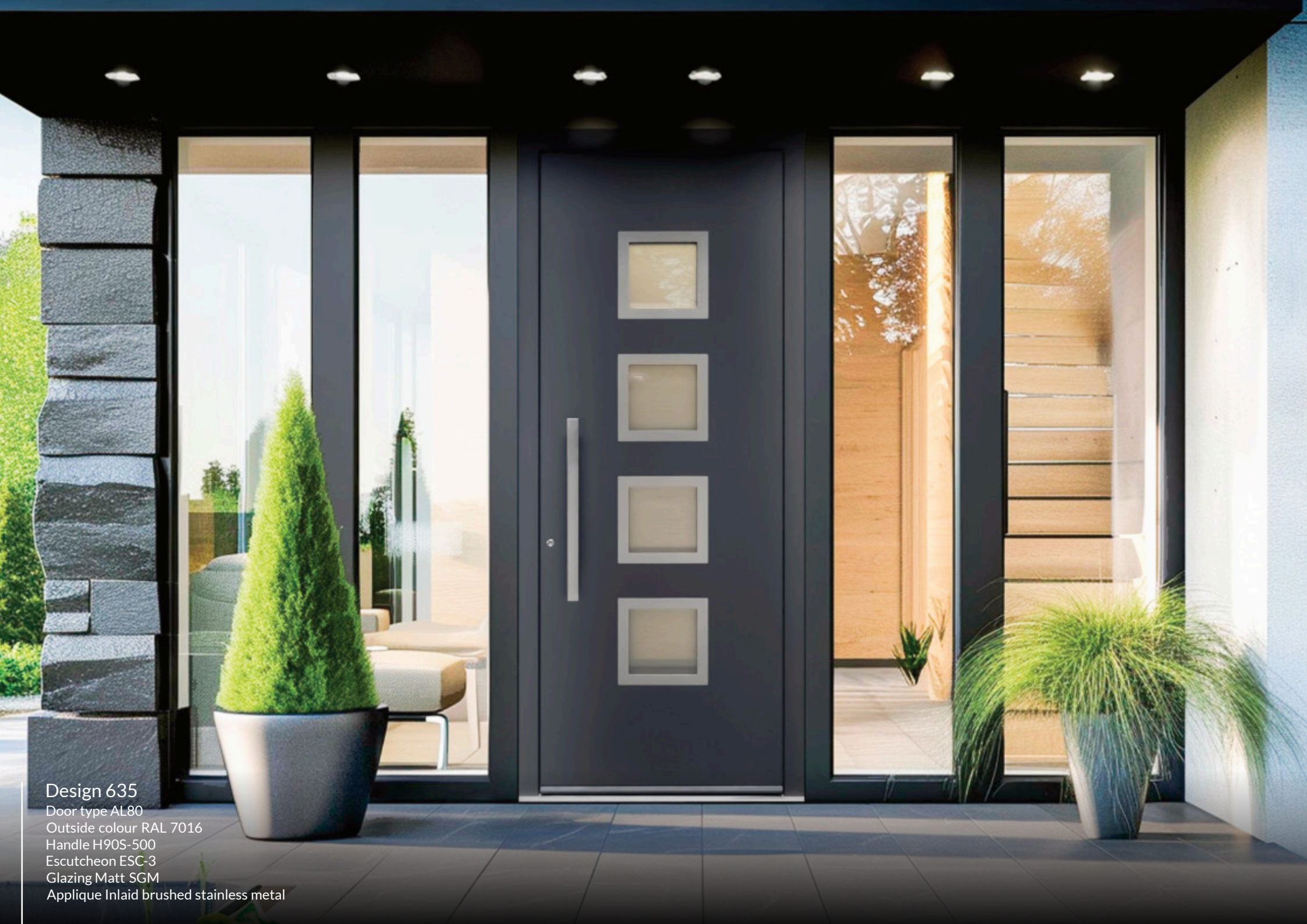
Outside colour RAL 7016

Handle H90R-1400

Escutcheon ESC-3

Glazing Matt SGM

Applique Inlaid brushed stainless metal



Design 635

Door type AL80

Outside colour RAL 7016

Handle H90S-500

Escutcheon ESC-3

Glazing Matt SGM

Applique Inlaid brushed stainless metal

0,9<sup>W/m²K</sup>



Design 625

Door type AL80  
Outside colour RAL 8024  
Handle H90R-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal

0,9<sup>W/m²K</sup>



Design 628

Door type AL80  
Outside colour RAL 8019  
Handle H45S-500  
Escutcheon ESC-2  
Glazing Matt SGM  
Applique Inlaid stainless metal

0,9<sup>W/m²K</sup>



Design 634

Door type AL80  
Outside colour RAL 7026  
Handle H90R-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal

0,9 <sup>W/m<sup>2</sup>K</sup>



Design 637

Door type AL80  
Outside colour RAL 7021  
Handle H90R-1400  
Escutcheon ESC-2  
Glazing Matt SGM  
Applique Inlaid stainless metal

0,9 <sup>W/m<sup>2</sup>K</sup>



Design 639

Door type AL80  
Outside colour RAL 6020  
Handle H90R-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal  
Finger scanner FSC3

0,9 <sup>W/m<sup>2</sup>K</sup>



Design 640

Door type AL80  
Outside colour RAL 7001  
Handle H90R-1400  
Escutcheon ESC-2  
Glazing Matt SGM  
Applique Inlaid stainless metal  
Kick plate Smooth



Individual design

Door type AL80

Outside colour RAL 3003

Handle H45R-500

Escutcheon ESC-3

Glazing Matt SGM

Applique Inlaid brushed stainless metal



Design 647

Door type AL80

Outside colour RAL 7024

Handle H45R-500

Escutcheon ESC-2

Glazing KathedRAL Klein

Applique Inlaid brushed stainless metal

Kick plate Smooth

0,76 <sup>W/m²K</sup>



Design 642

Door type AL100  
Outside colour RAL 6028  
Handle H90R-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal

0,76 <sup>W/m²K</sup>



Design 643

Door type AL100  
Outside colour RAL 5013  
Handle H90R-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal  
Finger scanner FSC3

0,9 <sup>W/m²K</sup>



Design 648

Door type AL80  
Outside colour RAL 7048  
Handle H90R-1400  
Escutcheon ESC-3  
Glazing Etched effect  
Applique Inlaid stainless metal

0,76 <sup>W/m²K</sup>



Design 654

Door type AL100  
Outside colour RAL 7024  
Handle H90R-1800  
Escutcheon ESC-3  
Glazing Etched effect  
Applique Inlaid stainless metal

0,76 <sup>W/m²K</sup>



Design 655

Door type AL100  
Outside colour RAL 6020  
Handle H90S-1800  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal  
Finger scanner FSC3

0,76 <sup>W/m²K</sup>



Design 659

Door type AL100  
Outside colour RAL 7026  
Handle H90R-500  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal



Design 649  
Door type AL80  
Outside colour RAL 6020  
Handle H90R-1400  
Escutcheon ESC-2  
Glazing Patterned SGP  
Applique Inlaid stainless metal  
Decor Carving



Design 801

Door type AL80

Outside colour RAL 9007 + RAL 9016

Handle H90S40B-500

Escutcheon ESC-3

Glazing Clear SGC

Applique Inlaid brushed stainless metal

Decor Carving

0,76 <sup>W/m²K</sup>



**Design 702**

Door type AL100  
Outside colour RAL 7000  
Handle H90S-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal  
Decor Carving

0,76 <sup>W/m²K</sup>



**Design 706**

Door type AL100  
Outside colour RAL 9007  
Handle H45R-500  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid stainless metal  
Decor Carving

0,9 <sup>W/m²K</sup>



**Design 707**

Door type AL80  
Outside colour RAL 9016  
Handle H45R-500  
Escutcheon ESC-3  
Glazing Etched effect  
Applique Inlaid stainless metal  
Decor Carving

0,76 <sup>W/m<sup>2</sup>K</sup>



### Design 701

Door type AL100  
Outside colour RAL 7043  
Handle H45R-500  
Escutcheon ESC-3  
Glazing Etched effect  
Applique Inlaid stainless metal  
Decor Carving

0,76 <sup>W/m<sup>2</sup>K</sup>



### Design 703

Door type AL100  
Outside colour RAL 7024  
Handle H90RB-800  
Escutcheon ESC-3  
Glazing Etched effect  
Applique Inlaid stainless metal  
Decor Carving  
Finger scanner FSC3

0,76 <sup>W/m<sup>2</sup>K</sup>



### Design 705

Door type AL100  
Outside colour RAL 7048  
Handle H90RB-800  
Escutcheon ESC-3  
Glazing Etched effect  
Applique Inlaid Gold Oak + stainless metal  
Decor Carving



Design 704

Door type AL80

Outside colour RAL 7039

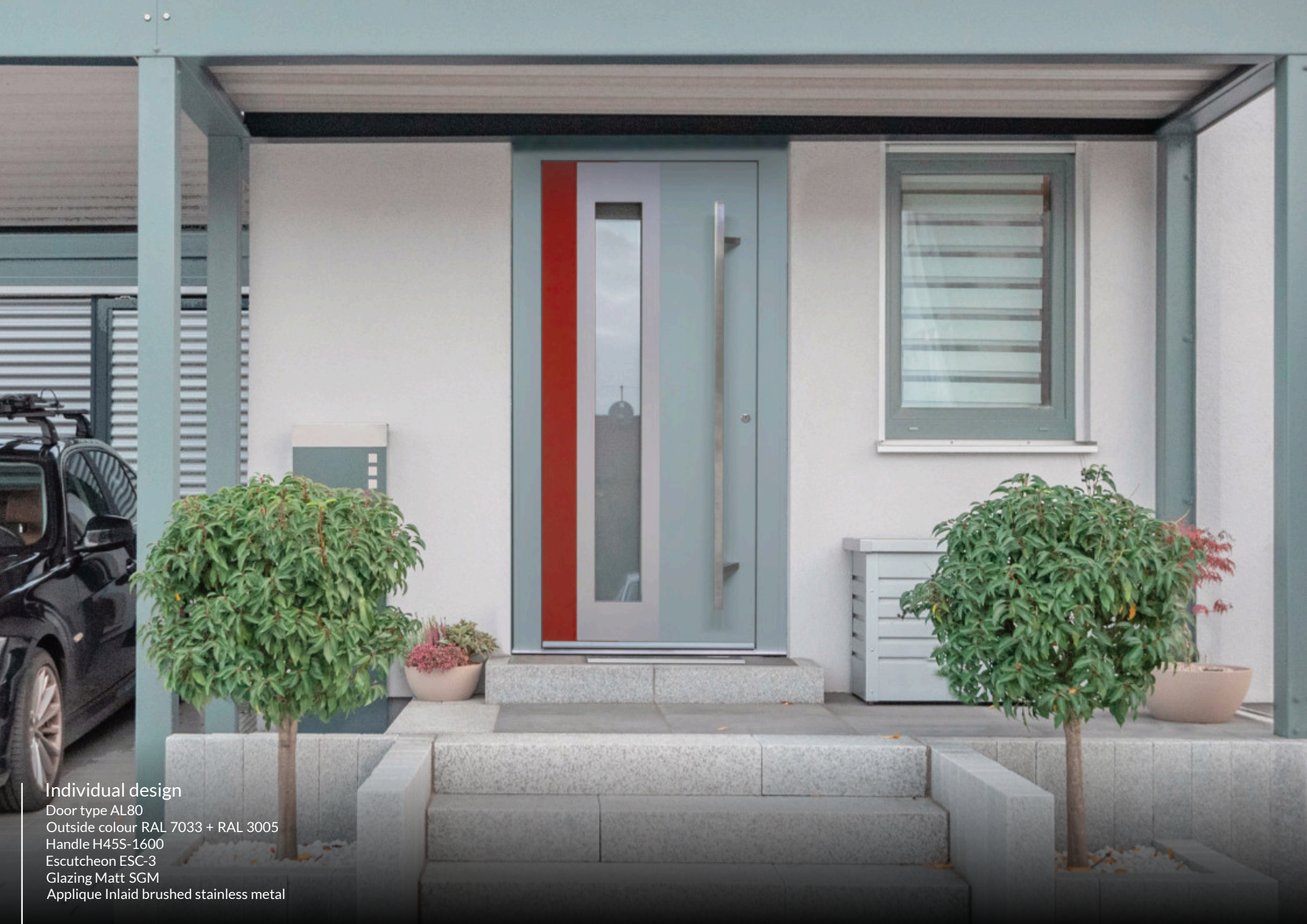
Handle H90S40B-500

Escutcheon ESC-3

Glazing Etched effect

Applique Inlaid brushed stainless metal

Decor Carving



Individual design

Door type AL80

Outside colour RAL 7033 + RAL 3005

Handle H45S-1600

Escutcheon ESC-3

Glazing Matt SGM

Applique Inlaid brushed stainless metal

0,69<sup>W/m²K</sup>



Design 401

Door type AL80  
Outside colour RAL 7016 + RAL 3005  
Handle H90R-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid brushed stainless metal

0,9<sup>W/m²K</sup>



Design 802

Door type AL80  
Outside colour RAL 7024 + RAL 6020  
Handle H90S-1800  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid brushed stainless metal

0,76<sup>W/m²K</sup>



Design 803

Door type AL100  
Outside colour RAL 7048 + RAL 3005  
Handle H90R-1400  
Escutcheon ESC-3  
Glazing Matt SGM  
Applique Inlaid brushed stainless metal

up to 1,0<sup>W/m²K</sup>



Design 902

Door type AL100  
Outside colour RAL 7024  
Handle H90R-1200  
Escutcheon ESC-3  
Glazing Etched effect  
Decor Carving

up to 1,0<sup>W/m²K</sup>



Design 905

Door type AL100  
Outside colour RAL 6025 + RAL 7010  
Handle H45R-800  
Escutcheon ESC-3  
Glazing Etched effect  
Applique Inlaid stainless metal

up to 1,0<sup>W/m²K</sup>



Design 908

Door type AL100  
Outside colour RAL 7043 + RAL 7006  
Handle H90R-1800  
Escutcheon ESC-3  
Glazing Etched effect  
Applique Inlaid stainless metal  
Finger scanner FSC3  
Kick plate Smooth



Design 909

Door type AL100

Outside colour RAL 7016 + RAL 9016

Handle H90RB-1400

Escutcheon ESC-3

Finger scanner FSC1

Glazing Etched effect

Applique Inlaid brushed stainless metal

Decor Carving

Kick plate Smooth



0,65  $\text{W/m}^2\text{K}$



Design 1004

Door type AL100  
Outside colour RAL 7016  
Handle H90R-1400  
Escutcheon ESC-3  
Composite plate Concrete

0,9  $\text{W/m}^2\text{K}$



Design 1006

Door type AL80  
Outside colour RAL 7016  
Handle H90R-1400  
Escutcheon ESC-3  
Composite plate Concrete  
Glazing Matt SGM



Design 1001

Door type AL80

Outside colour RAL 7016

Handle Inlaid+Concrete image panel

Escutcheon ESC-3

Applique Inlaid brushed stainless metal

Composite plate Concrete



## Design 1020

Door type AL100

Outside colour RAL 7016

Handle H90S-1600

Escutcheon ESC-3

Applique Inlaid brushed stainless metal

Composite plate Corten

0,69 <sup>W/m<sup>2</sup>K</sup>



Design 1022

Door type AL80  
Outside colour RAL 7016  
Handle H90R-1400  
Escutcheon ESC-3  
Composite plate Corten

0,76 <sup>W/m<sup>2</sup>K</sup>



Design 1029

Door type AL100  
Outside colour RAL 7016  
Handle H90S-500  
Escutcheon ESC-3  
Composite plate Corten  
Glazing Matt SGM  
Applique Inlaid brushed stainless metal



\*The U-values for the doors are indicative and depend on various factors.



0,69<sup>W/m²K</sup>



Design 1041

Door type AL80  
Outside colour RAL 7016  
Handle H90R-1400  
Escutcheon ESC-3  
Composite plate Wood

0,65<sup>W/m²K</sup>



Design 1043

Door type AL100  
Outside colour RAL 7016  
Handle H90S40B-800  
Escutcheon ESC-3  
Composite plate Wood

\*The U-values for the doors are indicative and depend on various factors.



**Design 1031**

Door type AL80  
Outside colour RAL 7016  
Handle H90S-1800  
Escutcheon ESC-3  
Finger scanner FSC3  
Applique Inlaid brushed stainless metal  
Composite plate Wood  
Glazing Matt SGM



## Design 1055

Door type AL100

Outside colour RAL 7016

Handle Inlaid-1800+LED+Corten image panel

Escutcheon ESC-3

Glazing Tinted Grey SGT-G

Composite plate Corten+Glass

0,65<sup>W/m<sup>2</sup>K</sup>



Design 1050

Door type AL100  
Outside colour RAL 7016  
Handle H90S40-1400  
Escutcheon ESC-3  
Ceramic glass Glass

0,76<sup>W/m<sup>2</sup>K</sup>



Design 1052

Door type AL100  
Outside colour RAL 7016  
Handle H90S40-1400  
Escutcheon ESC-3  
Ceramic glass Glass  
Glazing Tinted Grey SGT-G

\*The U-values for the doors are indicative and depend on various factors.



0,9<sup>W/m²K</sup>



Design CLS 6WB

Door type AL80  
Outside colour RAL 5025  
Handle HLS 01  
Glazing Matt SGM  
Decor Carving

0,76<sup>W/m²K</sup>



Design CLS 8W

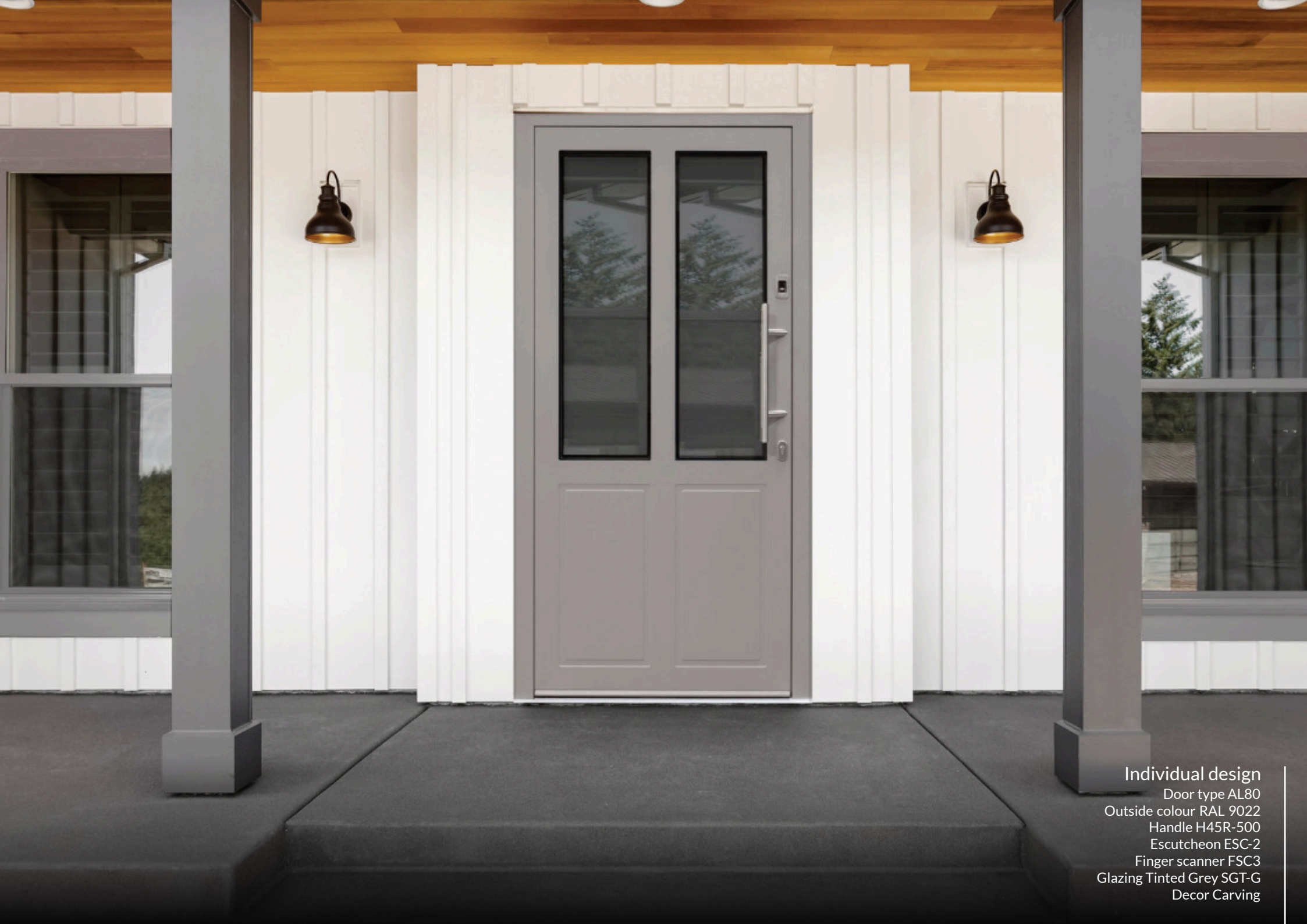
Door type AL100  
Outside colour RAL 9022  
Handle H45S-500  
Escutcheon ESC-3  
Glazing Matt SGM  
Decor Carving

0,9<sup>W/m²K</sup>



Design CLS 9W

Door type AL80  
Outside colour RAL 7033  
Handle H45S-500  
Escutcheon ESC-3  
Glazing Matt SGM  
Decor Carving



**Individual design**

Door type AL80  
Outside colour RAL 9022  
Handle H45R-500  
Escutcheon ESC-2  
Finger scanner FSC3  
Glazing Tinted Grey SGT-G  
Decor Carving



### Individual design

Door type AL80

Outside colour Golden Oak

Handle H90R-500

Escutcheon ESC-1

Glazing Tinted Grey SGT-G

Applique Inlaid brushed stainless metal

Kick plate Smooth

# WOOD-LIKE DECORS

**Design 641**  
Door type AL80



Golden Oak

**Design 507**  
Door type AL100



Old Oak

**Design 126**  
Door type AS67



Winchester



### Individual design

Door type AL80

Outside colour RAL 7016

Handle H90WD/G-1200

Escutcheon ESC-3

Glazing Etched effect

Applique Inlaid brushed stainless metal+Golden Oak

Decor Carving

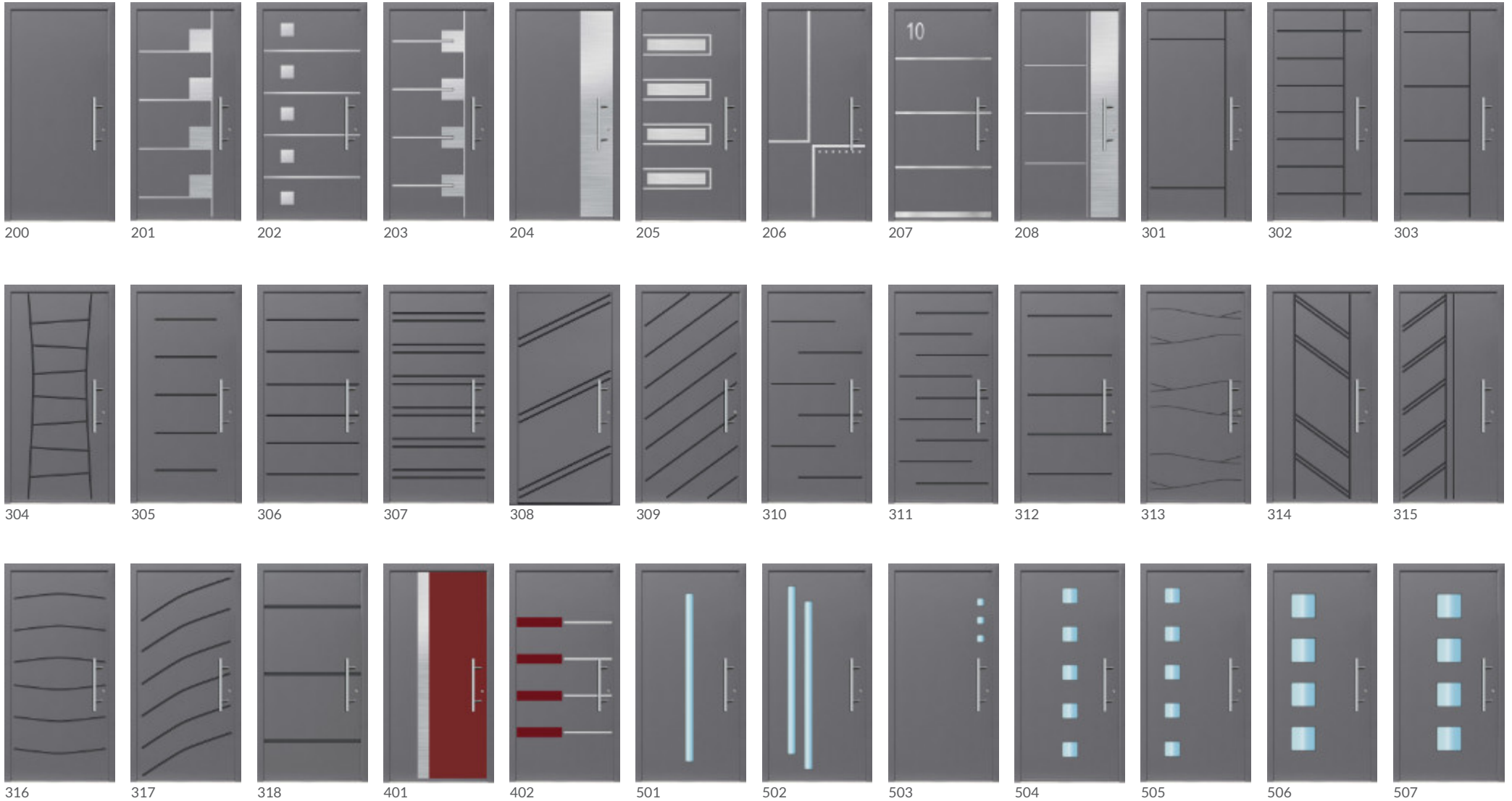
DOUBLELEAF



**Individual design**

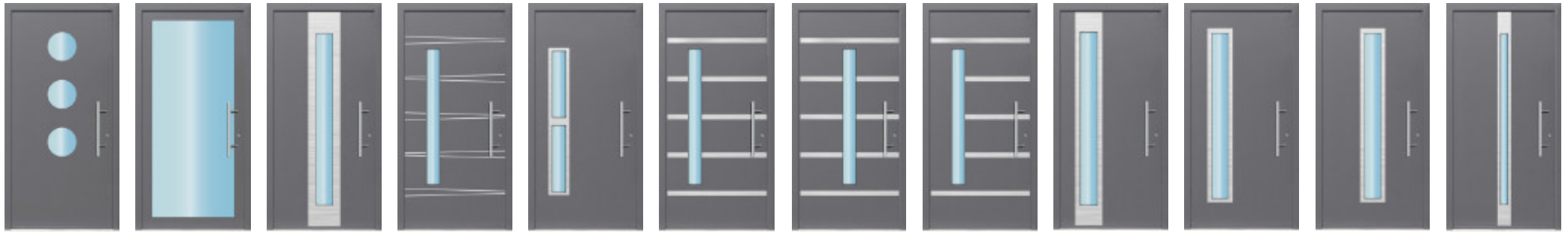
Door type AL80  
Outside colour RAL 9005  
Handle H90R-1400  
Escutcheon ESC-2  
Glazing Clear SGC  
Applique Inlaid brushed stainless metal  
Decor Carving

# Standard designs\*





508 509 510 511 512 513 514 515 516 517 518 519



520 521 601 602 603 604 605 606 607 608 609 610



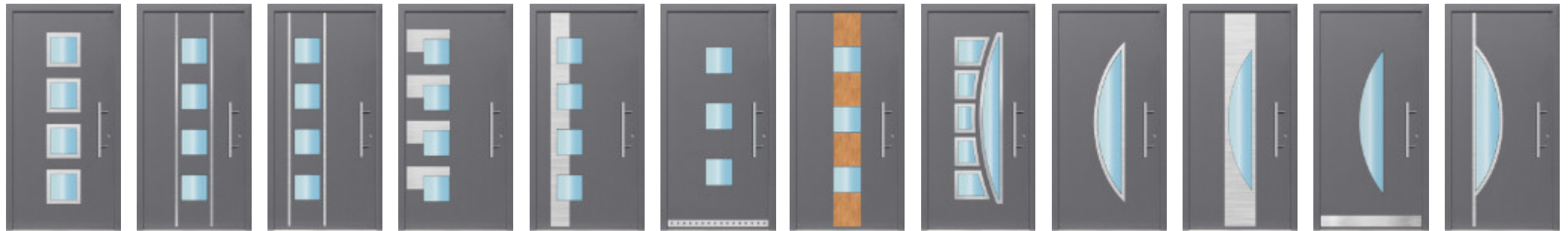
611 612 613 614 615 616 617 618 619 620 621 622

\* you can modify existing or create your own door design

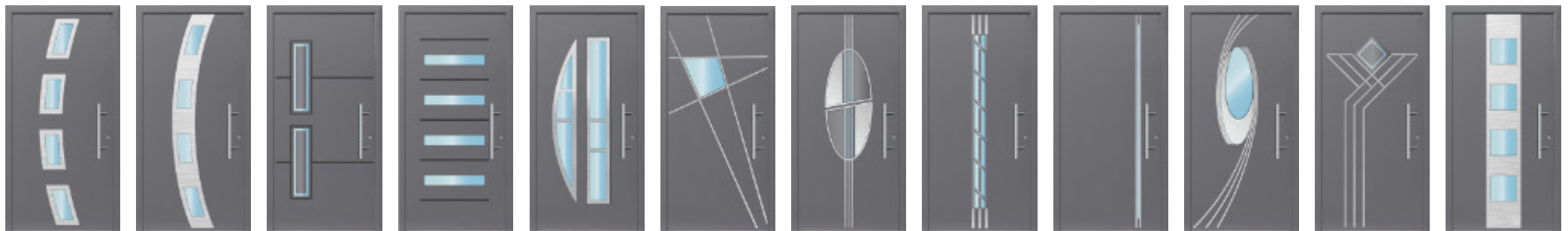
# Standard designs\*



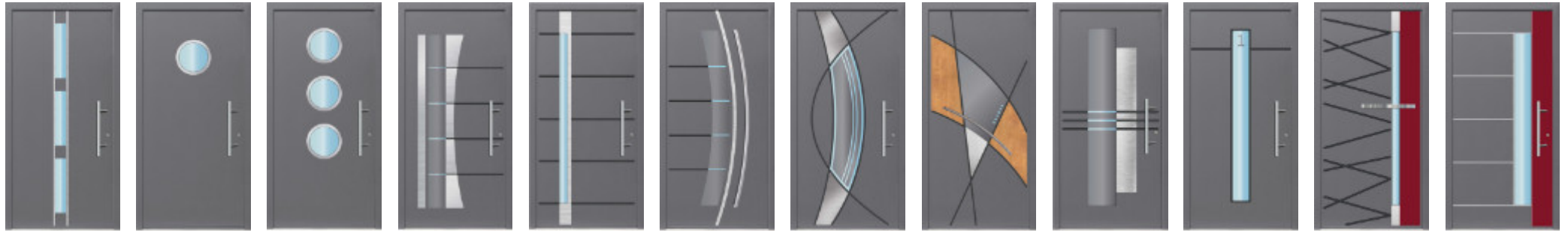
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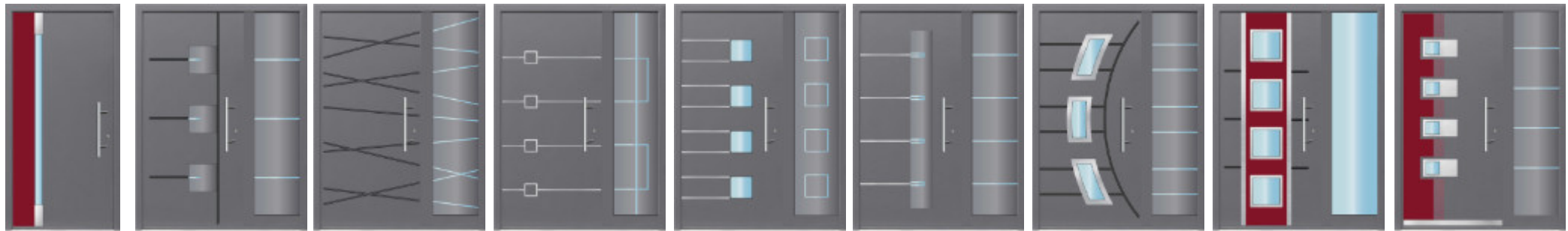
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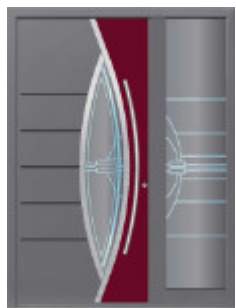
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659 660 661 701 702 703 704 705 706 707 801 802



803 901 902 903 904 905 906 907 908



909

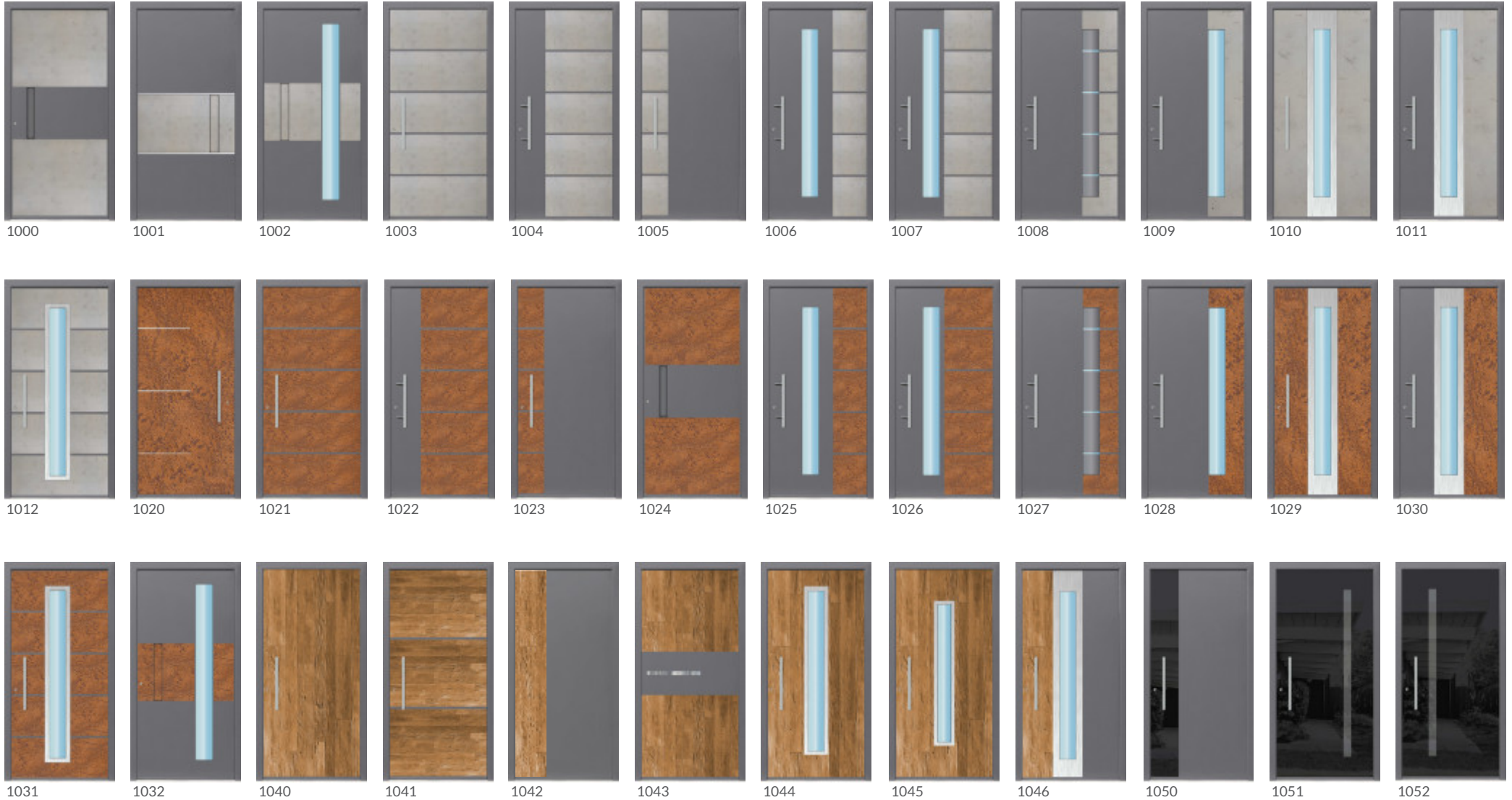
### Exclusive designs\*



1053 1054 1055

\* you can modify existing or create your own door design

# Exclusive designs\*



\* you can modify existing or create your own door design

## Classic designs\*



\* you can modify existing or create your own door design



Individual design  
Door type AL80  
Outside colour RAL 7016  
Handle H90R-1200  
Escutcheon ESC-3  
Applique Inlaid brushed stainless metal

MATCHING



# DESIGN

Individual design  
Garage door  
Outside colour RAL 7016  
Surface Smooth  
Applique Custom decor



Individual design

Garage door  
Outside colour RAL 9005  
Surface Smooth  
Decor Wood image panel

Individual design

Door type AL80  
Outside colour RAL 9005  
Handle H90R-1800  
Glazing Matt SGM  
Composite plate Wood



### Design A-01

Garage door  
Outside colour RAL 7016  
Surface Smooth  
Applique Custom decor

### Design 103

Door type AS67  
Outside colour RAL 7016  
Handle H45R-1200  
Applique Inlaid brushed stainless metal



Design 647

Door type AL80

Outside colour RAL 7016

Handle H90RB-500

Glazing Clear SGC

Applique Inlaid brushed stainless metal

Individual design

Garage door

Outside colour RAL 7016

Surface Smooth

Applique Custom decor



Design 303

Door type AL80

Outside colour RAL 7039

Handle H90R-500

Decor Carving

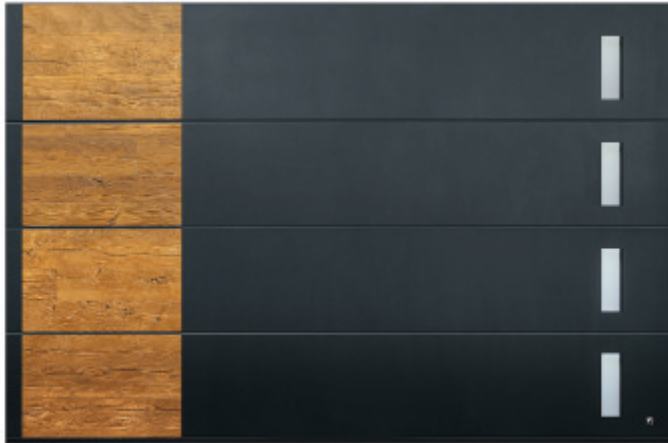
Outside colour RAL 7039

Garage door

Surface Smooth



# matching



**GARAGE DOORS**



**FRONT DOORS**



**GATES & FENCES**

It's never been easier to get a unique matching design. Front and garage door, aluminium gate and fence from one manufacturer. Same design, same colour, same accents - hassle-free.

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