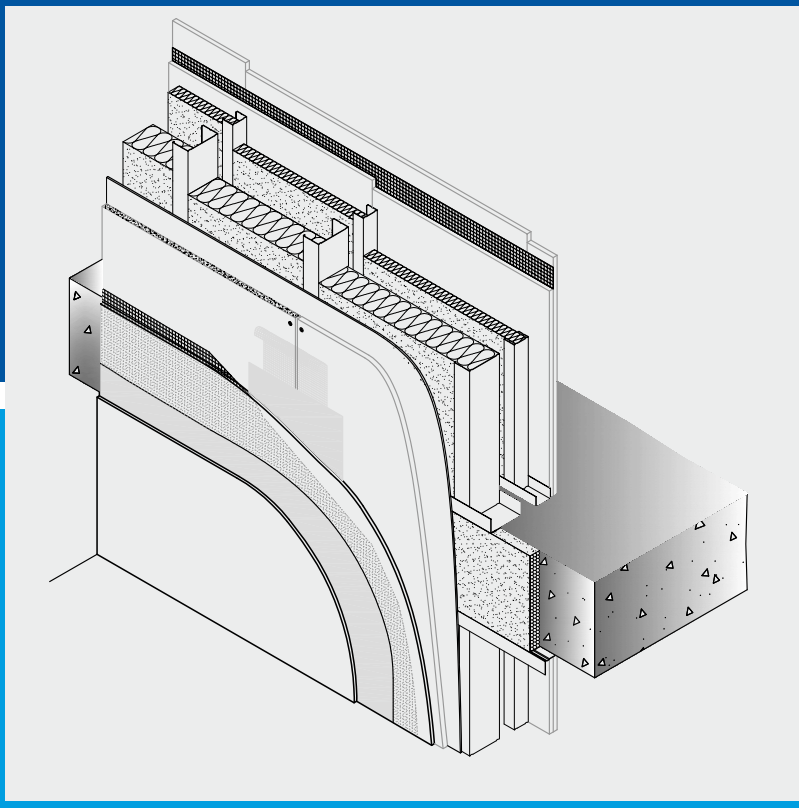
AQUAPANEL® Cement Board

KNAUF | USG SYSTEMS

AQUAPANEL®
Cement Board Outdoor
W 38 E



Lightweight facades and non-load-bearing, water-managed exterior walls with AQUAPANEL® Cement Board Outdoor

W 384
Single-layer exterior wall with insulating material

W 387
Double-layer exterior wall with insulating material and intermediate board

W 388
Double-layer exterior wall with insulating material and without intermediate board

Be certain, choose AQUAPANEL®

AQUAPANEL® Cement Board Outdoor

All the benefits of a dry panel system with the strength of brick and block.

Product description

AQUAPANEL® Cement Board technology sets new standards for the design and construction of buildings world-wide. Developed by Knauf USG Systems, AQUAPANEL® Cement Board Outdoor gives architects and contractors a high quality and extremely economical alternative to traditional methods of construction, such as brick and block. AQUAPANEL® Cement Board Outdoor can be used in various types of exterior walls, in exterior ceilings, in façade renovations and other types of external and special projects.

AQUAPANEL® Cement Board Outdoor is an extremely durable building material, providing a solid, dry base that can withstand the extreme weathering effects of wind, rain and snow. AQUAPANEL® Cement Board Outdoor is an ideal substrate for plaster and other linings.

As well as the panel and standard accessories, the AQUAPANEL® Cement Board system also includes an AQUAPANEL® plaster system for surface treatment.

- Alternative to brick and block-work
- Drylining for faster progress
- 100% weather and water-resistant
- Strong, robust, impact-resistant and non-combustible (A1)
- Can be cut to shape using "score and snap" technique
- Simple and easy to install
- Can be bent when dry - up to 1 metre bending radius

Physical properties

According to ETA-07/0173

Length (mm)	1200/2400/1250/2500	900/2000/2400/2500/2800/3000
Width (mm)	900	1200
Thickness (mm)	12.5	12.5
Min. bending radius for 900/1200 mm wide board (m)	3	3
Min. bending radius for 300 mm wide strip (m)	1	1
Weight (kg/m^2)	approx. 16	approx. 16
Dry bulk density (kg/m^3) according to EN 12647	approx. 1150	approx. 1150
Bending strength (MPa) according to EN 12647	9.6	9.6
Tensile strength perpendicular to the plane of the board (N/mm^2) according to EN 319	0.65	0.65
Shearing strength (N) according to EN 520	607	607
pH-value	12	12
Thermal conductivity (W/mK) according to EN ISO 10456	0.35	0.35
Thermal expansion (10^{-6}K)	7	7
Water vapour diffusion resistance μ (-) according to EN ISO 12572	66	66
Length variation 65% - 85% humidity (mm/m) according to EN 318	0.23	0.23
Thickness variation 65% - 85% humidity (%) according to EN 318	0.2	0.2
Building material class according to EN 13501	A1, non-combustible	A1, non-combustible

Application

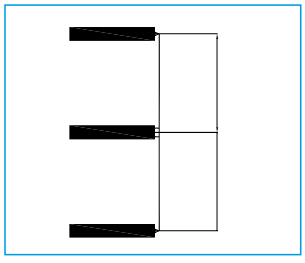
AQUAPANEL® Cement Board Outdoor is used in exterior applications for walls and ceilings as a directly-applied (water-managed) or ventilated system. It is an ideal substrate for plaster. Furthermore, AQUAPANEL® Cement Board Outdoor can also serve as a substrate for ceramic and other linings as well as thermal insulation composite systems (ETICS).

AQUAPANEL® Cement Board Outdoor is attached to a vertical stud frame. The substructure should be selected according to the statics requirements. Depending on these requirements, it is possible to use single or double-layer planking or a combination with other Knauf construction boards. All necessary accessories are available in the AQUAPANEL® accessory range.

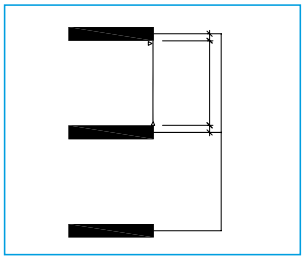
Table to identify metal substructure for exterior walls

Table to identify substructure																	
Wind-load	Option statical system	Stud spacing	Recommended solution (depending on heights between floors)														
[kN / m²]		[mm]	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400
0.50	Option 1	400 / 417	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	B
		600 / 625	A	A	A	A	A	B	B	B	B	B	C	C	C	C	C	C
	Option 2	400 / 417	A	A	A	A	B	B	B	B	B	B	C	C	C	C	C	C
		600 / 625	B	B	B	B	B	B	C	C	C	C	C	D	D	D	D	D
0.60	Option 1	400 / 417	A	A	A	A	A	A	A	B	B	B	B	B	B	C	C	C
		600 / 625	A	B	B	B	B	B	C	C	C	C	D	D	D	D	E	E
	Option 2	400 / 417	A	B	B	B	B	B	B	C	C	C	C	C	C	D	D	D
		600 / 625	B	B	B	C	C	C	C	C	D	D	D	D	D	E	E	E
0.70	Option 1	400 / 417	A	A	A	A	A	B	B	B	B	B	C	C	C	C	C	C
		600 / 625	B	B	B	B	C	C	C	C	D	D	D	D	D	E	E	E
	Option 2	400 / 417	B	B	B	B	B	B	C	C	C	C	C	C	D	D	D	C
		600 / 625	B	B	C	C	C	C	B	D	D	D	D	E	E	E	F	F
0.80	Option 1	400 / 417	A	A	A	A	B	B	B	B	B	B	C	C	C	C	C	D
		600 / 625	B	B	B	B	C	C	C	C	D	D	D	D	E	E	E	E
	Option 2	400 / 417	B	B	B	B	B	B	C	C	C	C	C	D	D	D	D	D
		600 / 625	B	C	C	C	C	C	D	D	D	D	E	E	E	E	F	F
0.90	Option 1	400 / 417	A	A	A	B	B	B	B	B	C	C	C	C	C	C	D	D
		600 / 625	B	B	C	C	C	C	D	D	D	D	E	E	E	E	E	E
	Option 2	400 / 417	B	B	B	B	C	C	C	C	C	D	D	D	D	D	E	E
		600 / 625	C	C	C	C	C	D	D	D	D	E	E	E	F	F	F	F
1.00	Option 1	400 / 417	A	B	B	B	B	B	C	C	C	C	D	D	D	D	E	E
		600 / 625	B	C	C	C	C	D	D	D	E	E	E	E	E	E	E	E
	Option 2	400 / 417	B	B	B	C	C	C	C	C	D	D	D	D	D	E	E	E
		600 / 625	C	C	C	C	D	D	D	D	E	E	E	F	F	F	F	F
1.10	Option 1	400 / 417	B	B	B	B	B	C	C	C	C	C	D	D	D	D	E	E
		600 / 625	C	C	C	D	D	D	D	E	E	E	E	E	E	E	E	F
	Option 2	400 / 417	B	B	C	C	C	C	D	D	D	D	D	E	E	E	F	F
		600 / 625	C	C	C	D	D	D	D	E	E	E	F	F	F	F	F	G
1.20	Option 1	400 / 417	B	B	B	B	C	C	C	C	D	D	D	D	D	E	E	E
		600 / 625	C	C	D	D	D	E	E	E	E	E	E	E	E	E	F	F
	Option 2	400 / 417	B	B	C	C	C	C	D	D	D	D	E	E	E	E	F	F
		600 / 625	C	C	D	D	D	D	E	E	E	F	F	F	F	F	G	G
1.30	Option 1	400 / 417	B	B	B	C	C	C	C	D	D	D	D	E	E	E	E	E
		600 / 625	C	D	D	D	E	E	E	E	E	E	E	E	F	F	F	F
	Option 2	400 / 417	B	C	C	C	C	D	D	D	D	D	E	E	E	F	F	F
		600 / 625	C	D	D	D	D	E	E	F	F	F	F	F	F	G	G	G
1.40	Option 1	400 / 417	B	B	C	C	C	C	D	D	D	D	E	E	E	E	E	E
		600 / 625	D	D	D	E	E	E	E	E	E	E	E	F	F	F	F	G
	Option 2	400 / 417	C	C	C	C	C	D	D	D	D	E	E	E	F	F	F	F
		600 / 625	C	D	D	D	D	E	E	F	F	F	F	F	G	G	G	G
1.50	Option 1	400 / 417	B	C	C	C	C	D	D	D	E	E	E	E	E	E	E	E
		600 / 625	D	D	E	E	E	E	E	E	E	F	F	F	F	G	G	G
	Option 2	400 / 417	C	C	C	C	D	D	D	D	E	E	E	F	F	F	F	F
		600 / 625	D	D	D	E	E	E	F	F	F	F	F	G	G	G	G	G

Option 1
assembly in front of floors



Option 2
assembly between floors



Profile types

A	Knauf CW 75/50/06
B	Knauf CW 100/50/06
C	Knauf CW 125/50/06
D	Knauf CW 150/50/06
E	2 x Knauf CW 125/50/06
F	2 x Knauf CW 150/50/06
G	2 x UA 125/40/20

Note:
Profiles for regular facade areas are shown according to their proven adequacy. The table gives a selection of possible profiles. It provides an indication for preliminary design purposes only. Final selection of profiles should be made based on actual wall constructions and the proof of stability report. Constructions should be chosen according to national climatic conditions, under consideration of avoiding thermal bridges.

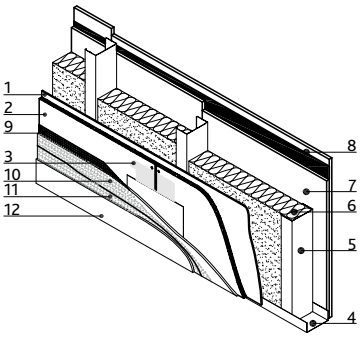
Single-layer exterior wall with insulating material

Technical data

Profile	Dimensions	Insulation	System performance			
			Weight*)	Fire	Sound protection (dB)	Thermal insulation (U-value)
	System	Type	kg/m²	min	R_w	W/m²K
CW 75	d = 112.5 a = 600 / 625 mm (12.5+75+12.5+12.5)	60 mm 40 kg / m³	42	60	50 (-1;-6)	0.56
	d = 117.5 a = 600 / 625 mm (12.5+75+15+15)	60 mm 40 kg / m³	47	90	*50 (-1;-6)*	0.55
CW 100	d = 137.5 a = 600 / 625 mm (12.5+100+12.5+12.5)	80 mm 40 kg / m³	43	60	50 (-2;-6)	0.44
	d = 142.5 a = 600 / 625 mm (12.5+100+15+15)	80 mm 40 kg / m³	48	90	51 (-1;-6)	0.44

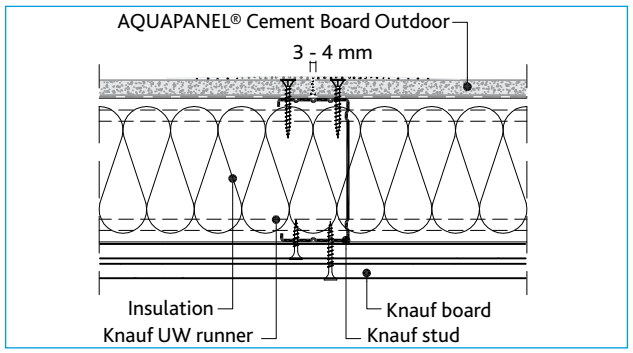
*) profile with t<1.0 mm

italic = estimated values

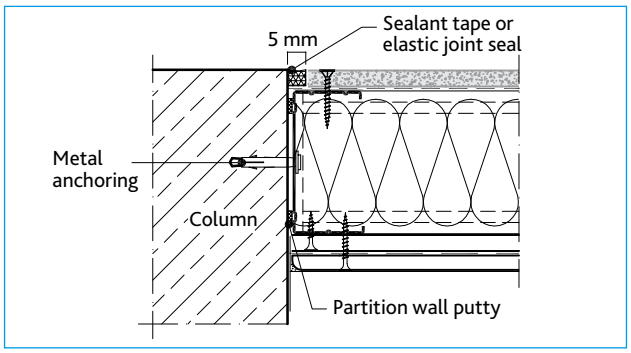


1 AQUAPANEL® Tyvek® StuccoWrap™
2 AQUAPANEL® Cement Board Outdoor
3 AQUAPANEL® Joint Filler - grey
4 Knauf UW runner
5 Knauf stud
6 Insulation
7 Knauf board
8 Vapour barrier
9 AQUAPANEL® Reinforcing Mesh
10 AQUAPANEL® Exterior Basecoat
11 AQUAPANEL® Exterior Primer
12 AQUAPANEL® plaster finish

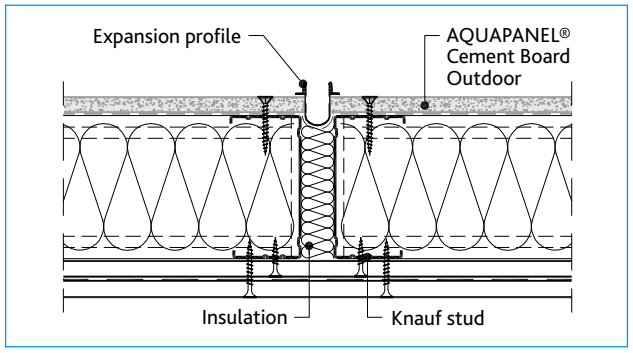
Details Scale 1:5



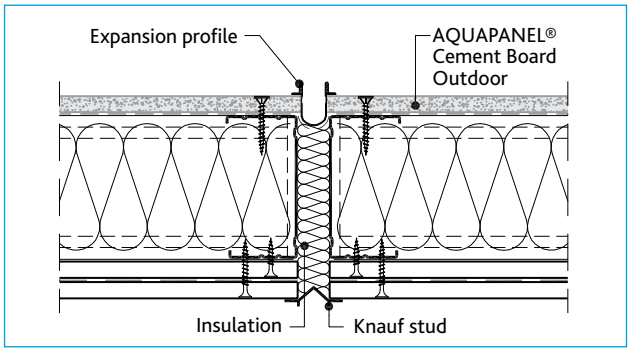
W384-A1 Cross section with joint



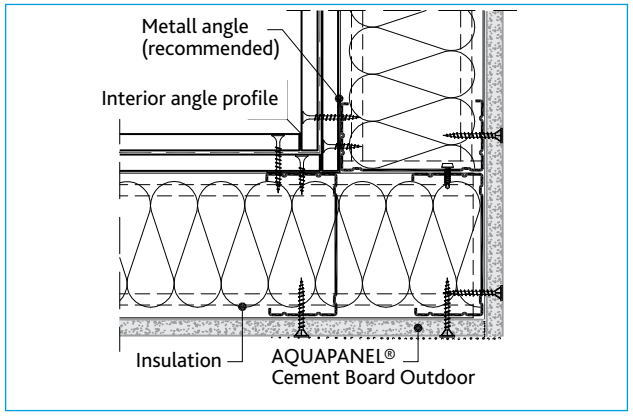
W384-A2 Connection to solid wall



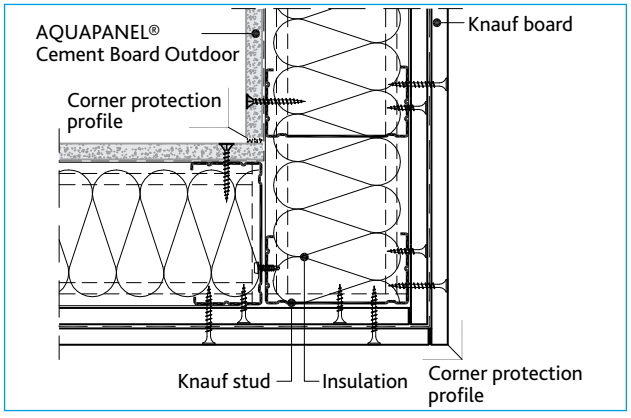
W384-B1 Dilatation joint, vertical



W38-B2 Structural dilatation joint



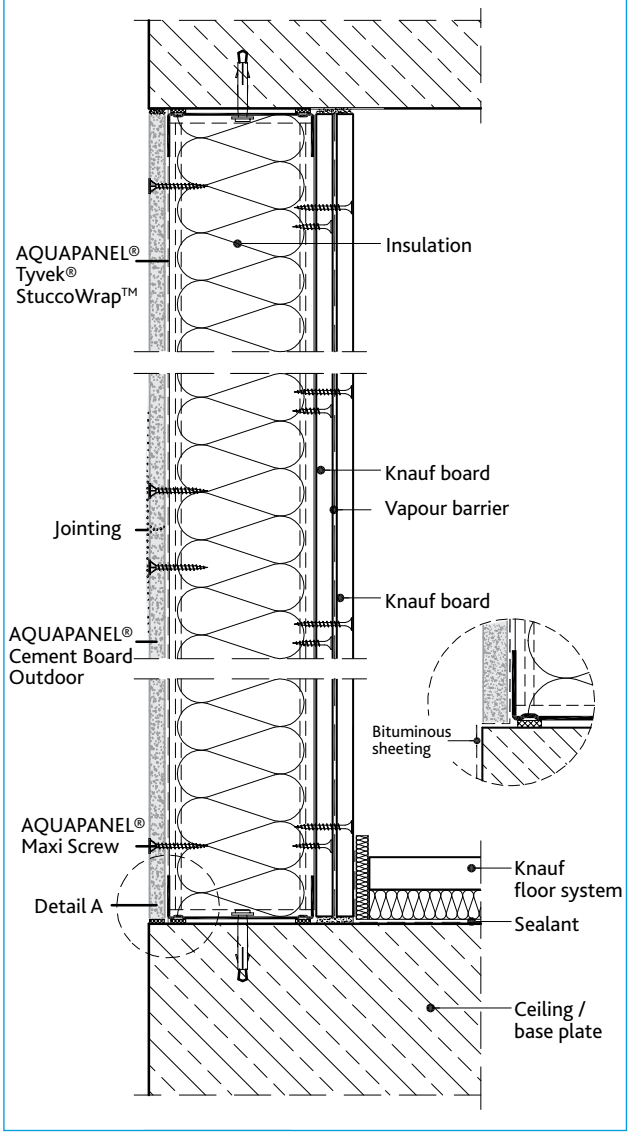
W384-C1 Outside corner



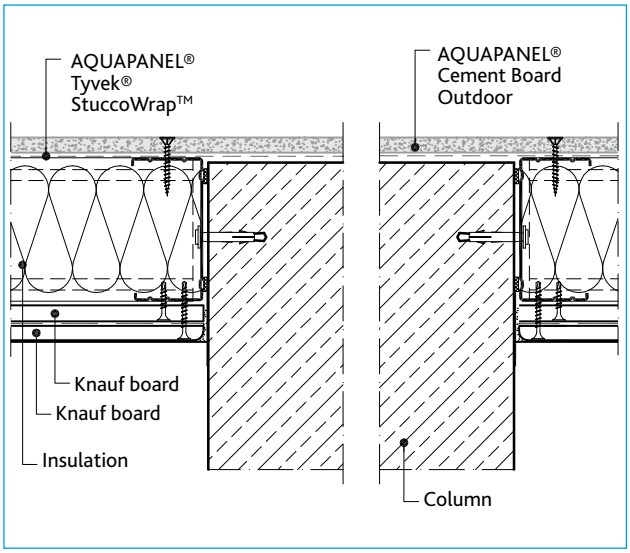
W384-C2 Inside corner

Note: *Use AQUAPANEL® Tyvek® StuccoWrap™.*

Vertical cross sections

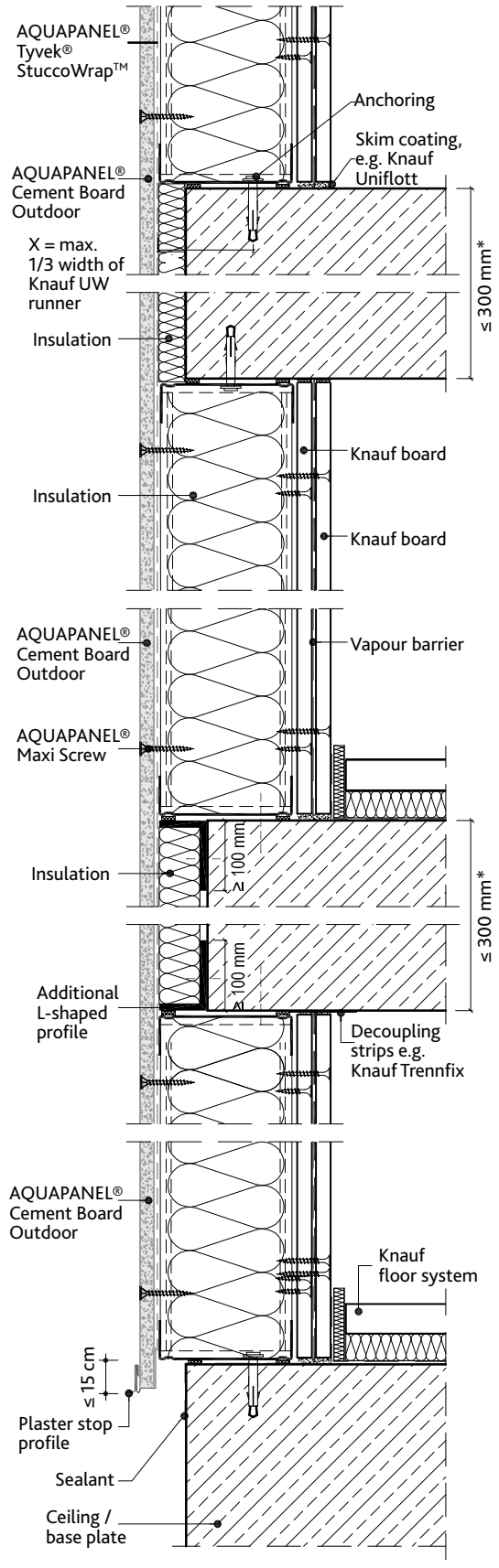


W384-D1 Vertical cross section, option 1



W384-E1 Connection to column

Note: *Vertical panel joints are not allowed in area of columns.*



W384-D2 Vertical cross section, option 2

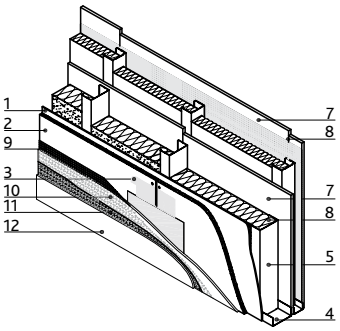
Double-layer exterior wall with insulating material and intermediate board

Technical data

Profile	Dimensions	Insulation	System performance			
			Weight*)	Fire	Sound protection (dB)	Thermal insulation (U-value)
	System	Type	kg/m²	min	R_w	W/m²K
CW 75	d = 120 a = 600 / 625 mm (12.5+75+12.5+e+75+15)	60 + 60 mm 40 kg / m³	66	60	58 (-4;-12)	0.30
	d = 117.5 a = 600 / 625 mm (12.5+75+15+e+75+15)	60 + 60 mm 40 kg / m³	69	90	*58 (-4;-12)*	0.30
CW 100	d = 137.5 a = 600 / 625 mm (12.5+100+12.5+e+75+15)	80 + 60 mm 40 kg / m³	67	60	61 (-4;-12)	0.26
	d = 142.5 a = 600 / 625 mm (12.5+100+15+e+75+15)	80 + 60 mm 40 kg / m³	70	90	*61 (-4;-12)*	0.26

*) profile with t<1.0 mm

italic = estimated values



1 AQUAPANEL® Tyvek® StuccoWrap™
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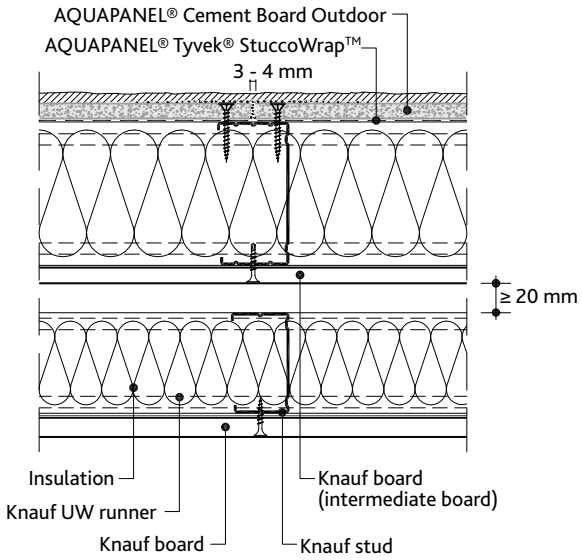
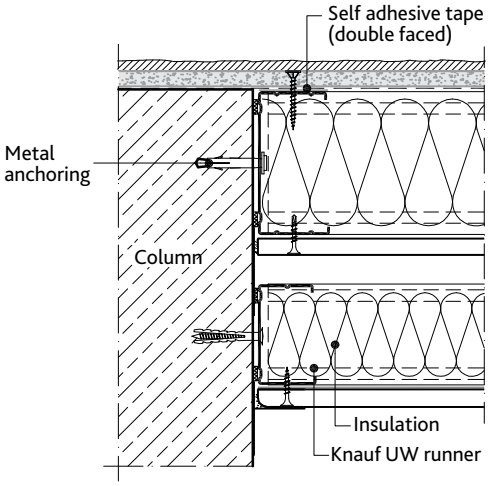
7 Knauf board
8 Vapour barrier
9 AQUAPANEL® Reinforcing Mesh
10 AQUAPANEL® Exterior Basecoat
11 AQUAPANEL® Exterior Primer
12 AQUAPANEL® plaster finish

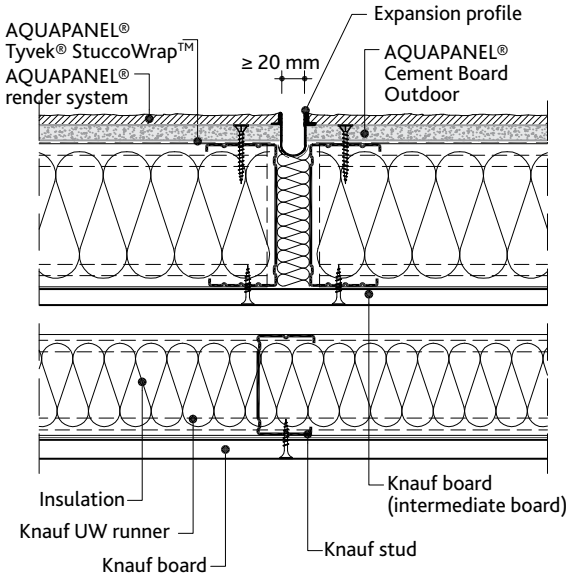
Details Scale 1:5



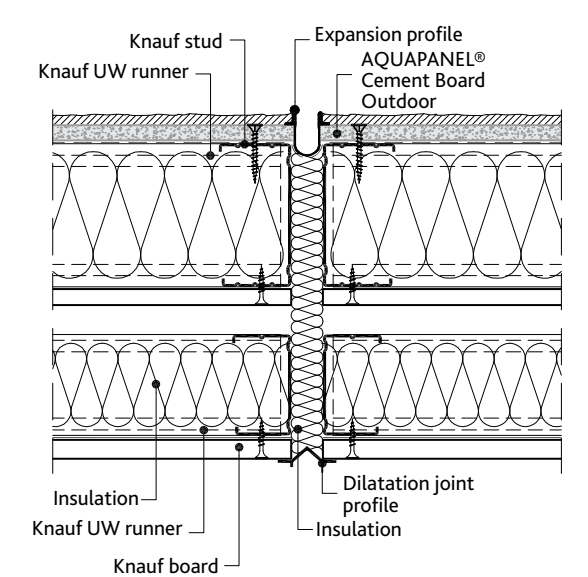
W387-A1 Cross section with joint



W387-A2 Connection to solid wall

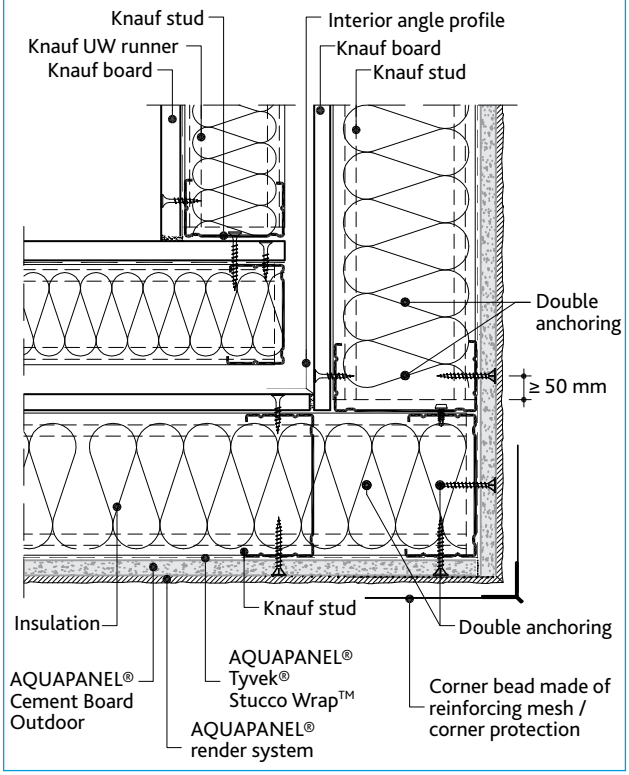


W387-B1 Dilatation joint, vertical

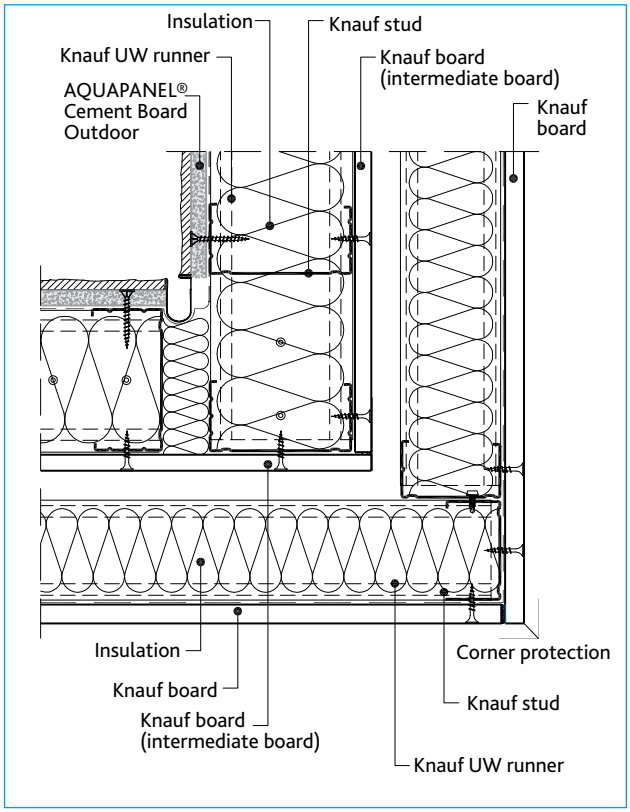


W387-B2 Structural dilatation joint

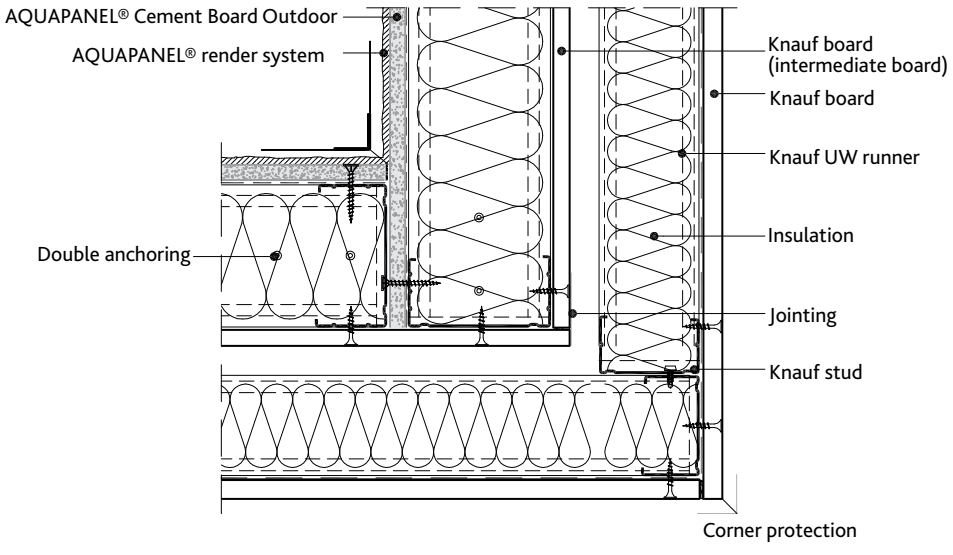
Details **Scale 1:5**



W387-C3 Outside corner



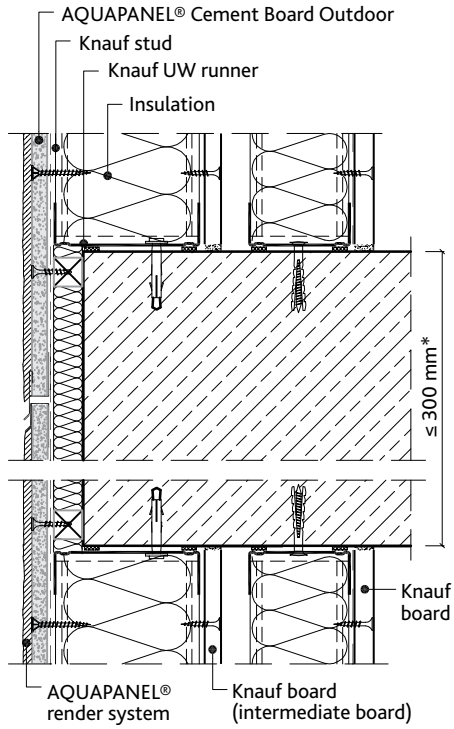
W387-C2 Inside corner with dilatation joint



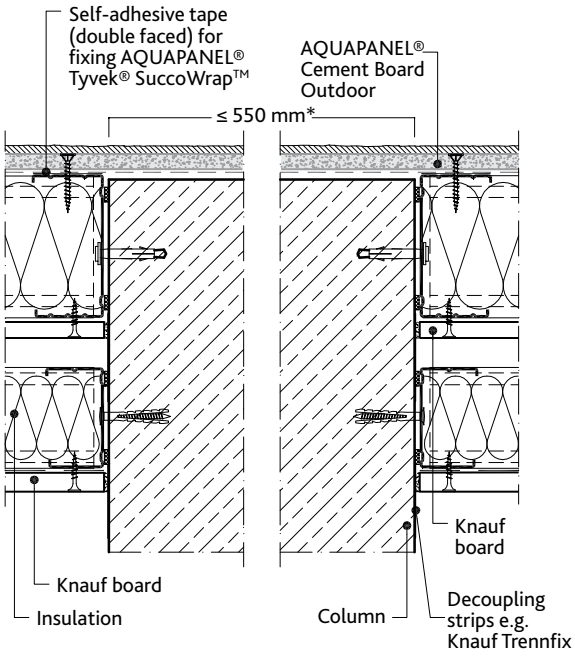
W387-C1 Inside corner without dilatation joint

Double-layer exterior wall with insulating material and intermediate board

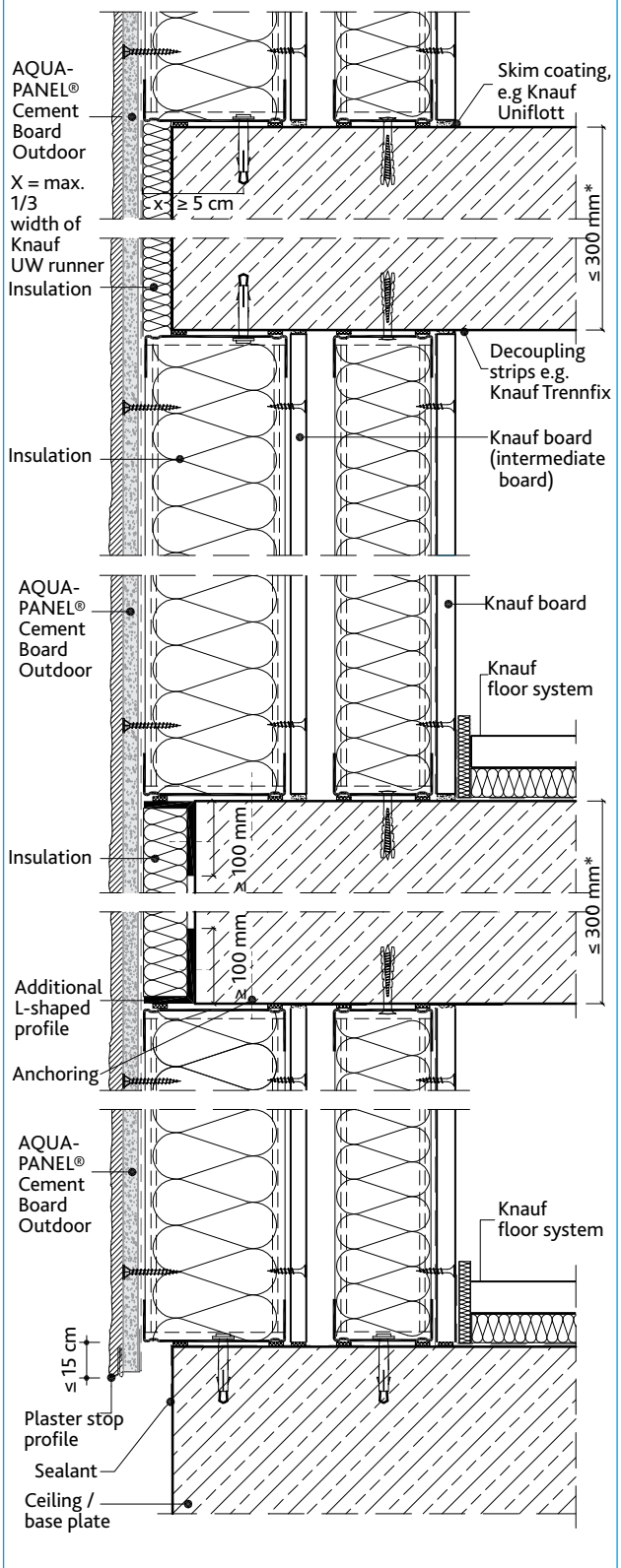
Details **Scale 1:5**



W384-D1 Dilatation joint, horizontal



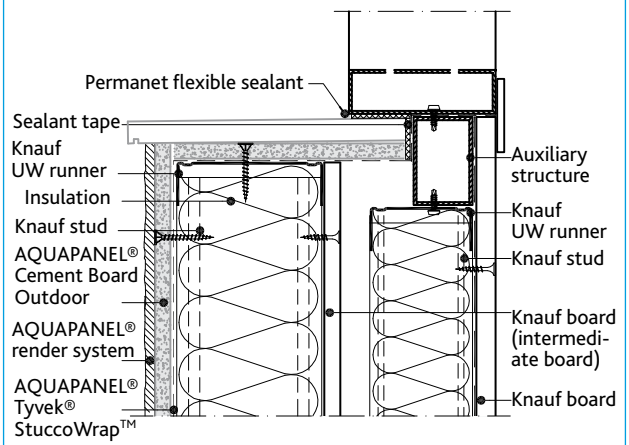
W384-D2 Connection to column



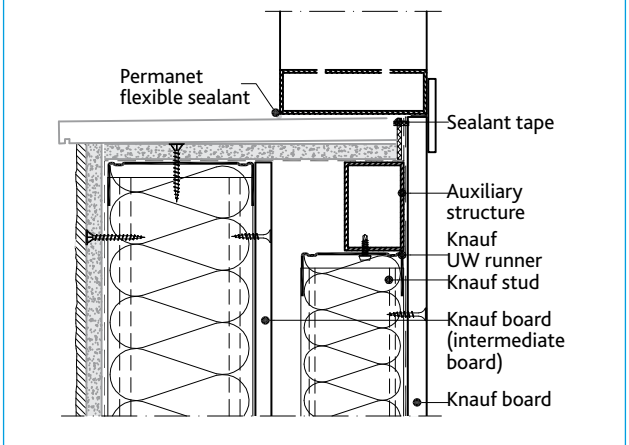
W384-D3 Vertical cross section

Note: *Vertical panel joints are not allowed in area of columns.*

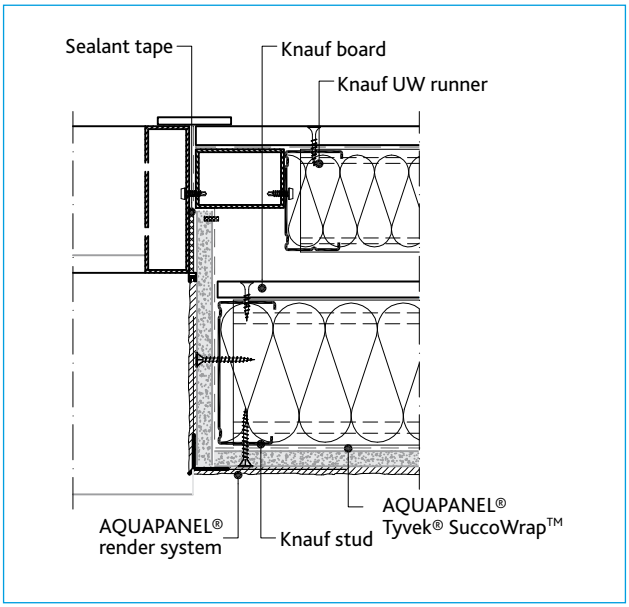
Details **Scale 1:5**



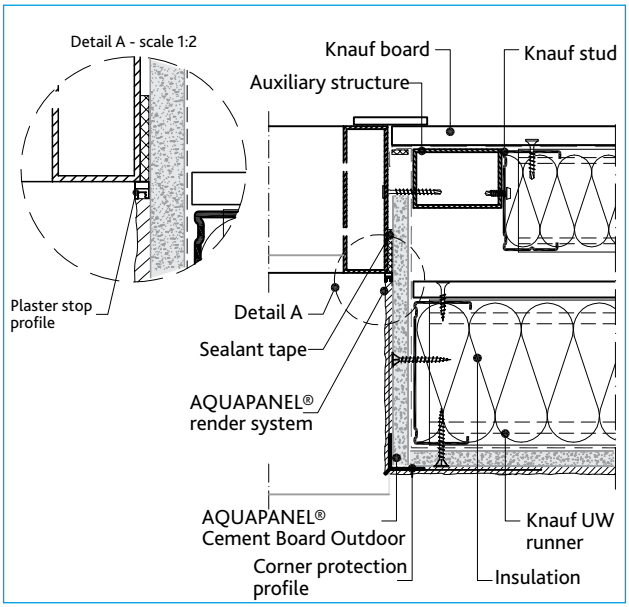
W387-F1 Lower connection to window, option 1



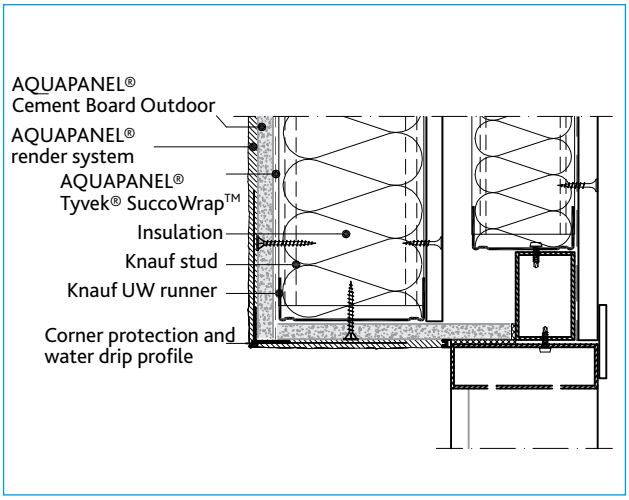
W387-V1 Lower connection to window, option 2



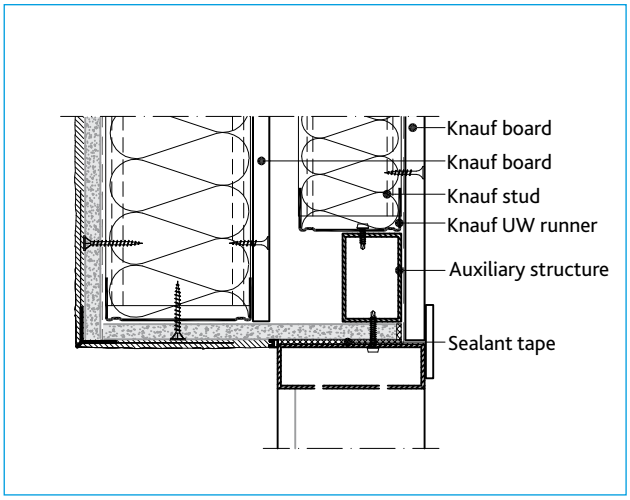
W387-F2 Side connection to window, option 1



W387-V2 Side connection to window, option 2



W382-F3 Upper connection to window, option 1



W382-V3 Upper connection to window, option 2

Note:

Connection details (windows, doors, wall foot etc.) should be designed avoiding thermal bridges.

Construction should be chosen according to national climatic conditions.

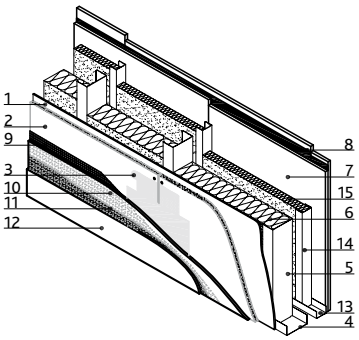
Double-layer exterior wall with insulating material without intermediate board

Technical data

Profile	Dimensions	Insulation	System performance			
			Weight*)	Fire	Sound protection (dB)	Thermal insulation (U-value)
	System	Type	kg/m²	min	R_w	W/m²K
CW 75	d = 182.5 a = 600 / 625 mm (12.5+75+e+50+12.5+12.5)	60 + 40 mm 40 kg / m³	65	60	58 (-4;-12)	0.35
	d = 187.5 a = 600 / 625 mm (12.5+75+e+50+15+15)	60 + 40 mm 40 kg / m³	68	90	*58 (-4;-12)*	0.35
CW 100	d = 207.5 a = 600 / 625 mm (12.5+100+e+50+12.5+12.5)	80 + 40 mm 40 kg / m³	66	60	61 (-4;-12)	0.30
	d = 212.5 a = 600 / 625 mm (12.5+100+e+50+15+15)	80 + 40 mm 40 kg / m³	69	90	*61 (-4;-12)*	0.30

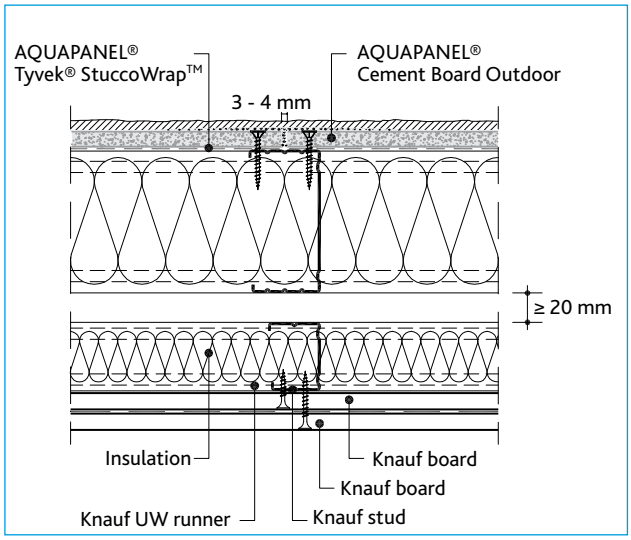
*) profile with t<1.0 mm

italic = estimated values

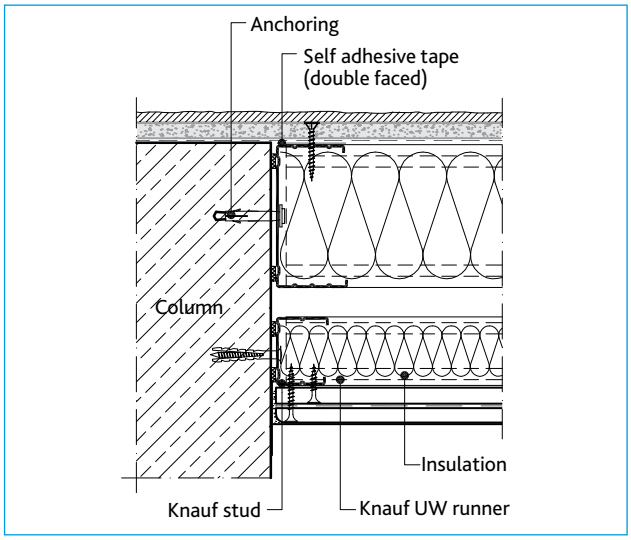


1 AQUAPANEL® Tyvek® StuccoWrap™
2 AQUAPANEL® Cement Board Outdoor
3 AQUAPANEL® Joint Filler - grey
4 Knauf UW runner
5 Knauf stud
6 Insulation
7 Knauf board
8 Vapour barrier
9 AQUAPANEL® Reinforcing Mesh
10 AQUAPANEL® Exterior Basecoat
11 AQUAPANEL® Exterior Primer
12 AQUAPANEL® plaster finish

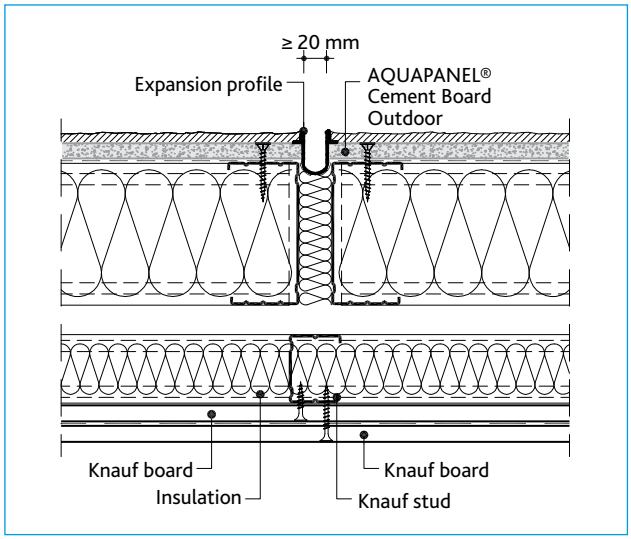
Details **Scale 1:5**



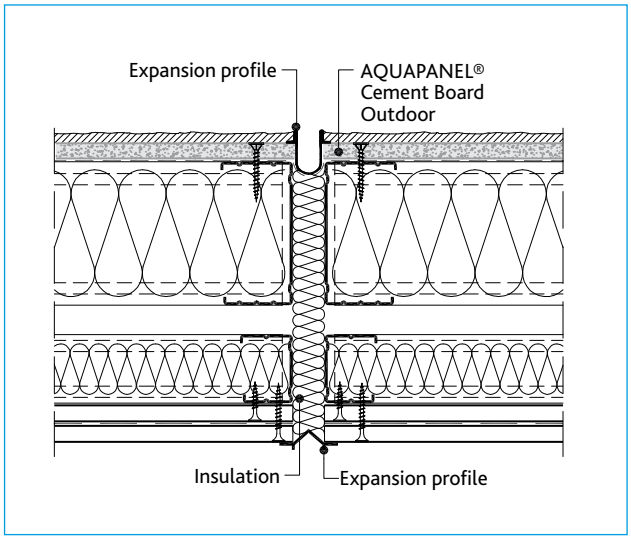
W388-A1 Cross section with joint



W388-A2 Connection to solid wall

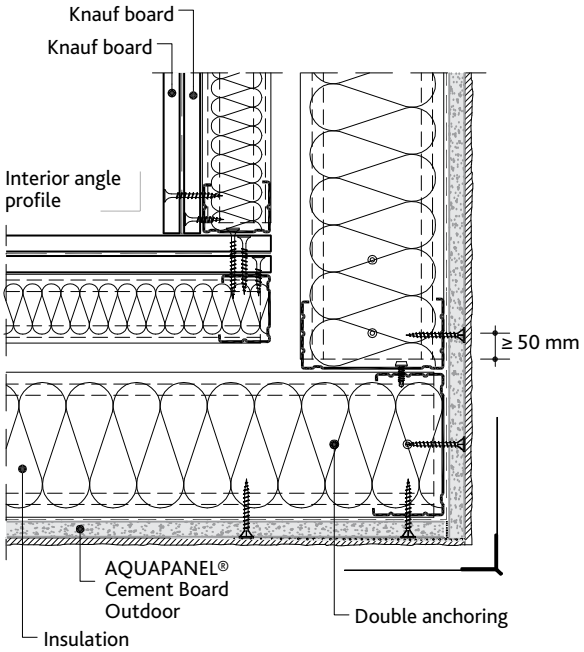


W388-B1 Dilatation joint, vertical

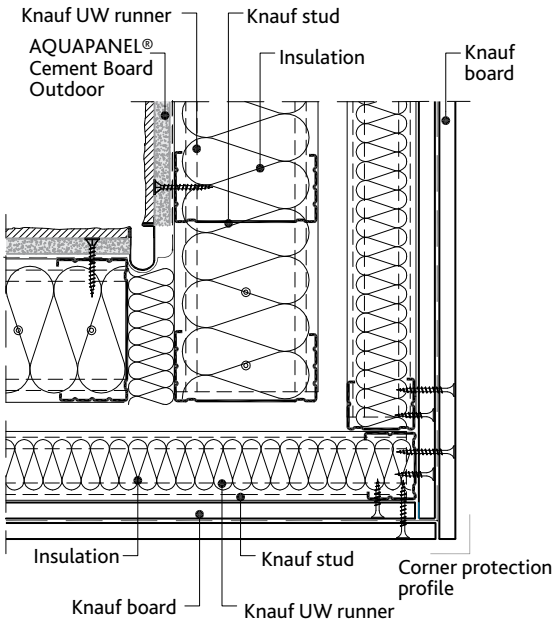


W388-B2 Structural dilatation joint

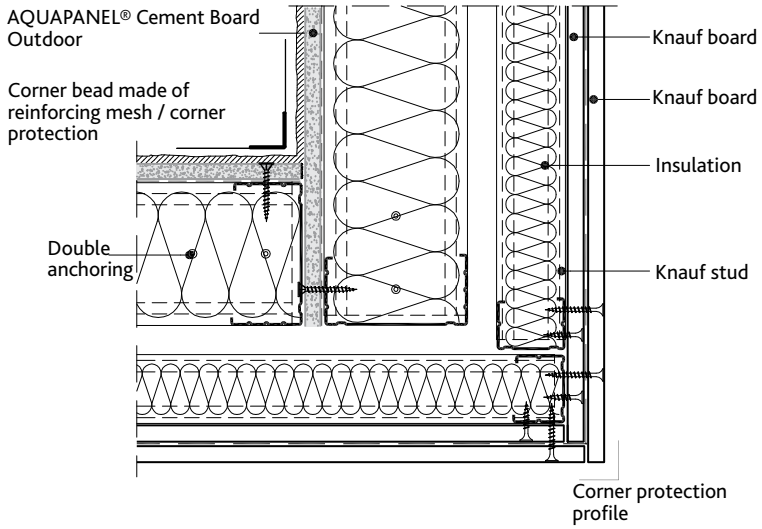
Details **Scale 1:5**



W388-C3 Outside corner



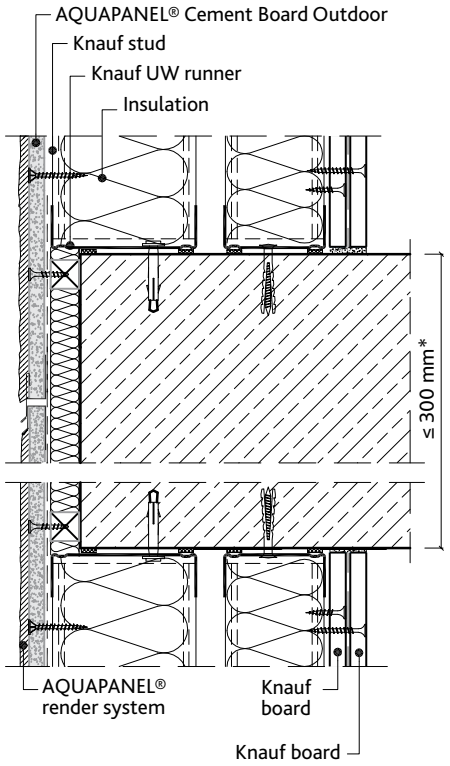
W388-C2 Inside corner with dilatation joint



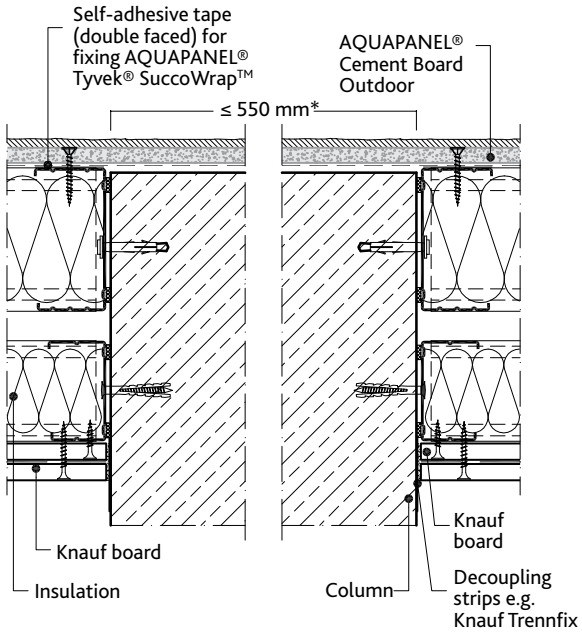
W388-C1 Inside corner without dilatation joint

Double-layer, non-load-bearing exterior wall with insulating material and without intermediate board

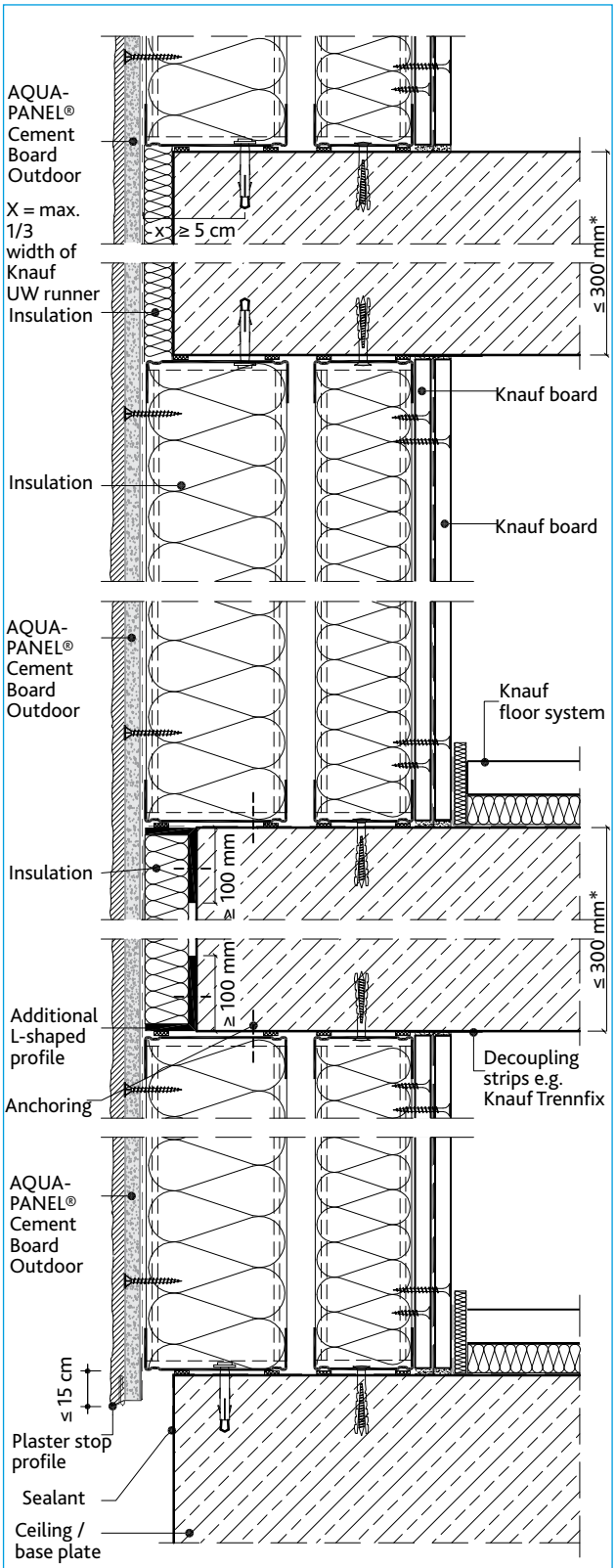
Details **Scale 1:5**



W388-D1 Dilatation joint (horizontal)



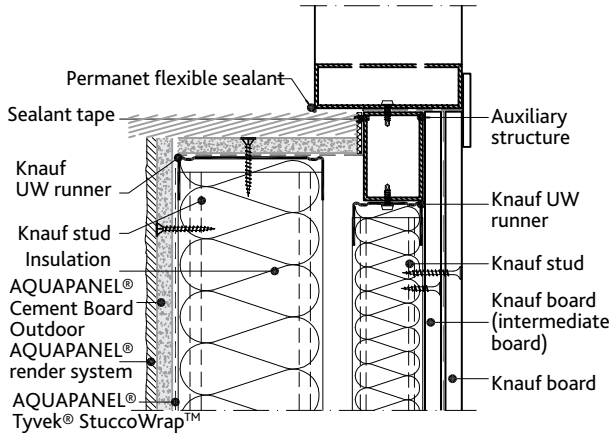
W384-D2 Connection to column



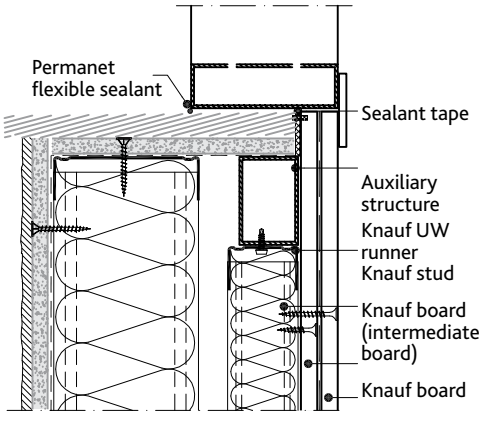
W388-D3 Vertical cross section

Note: *Joints are not allowed in area of columns.*

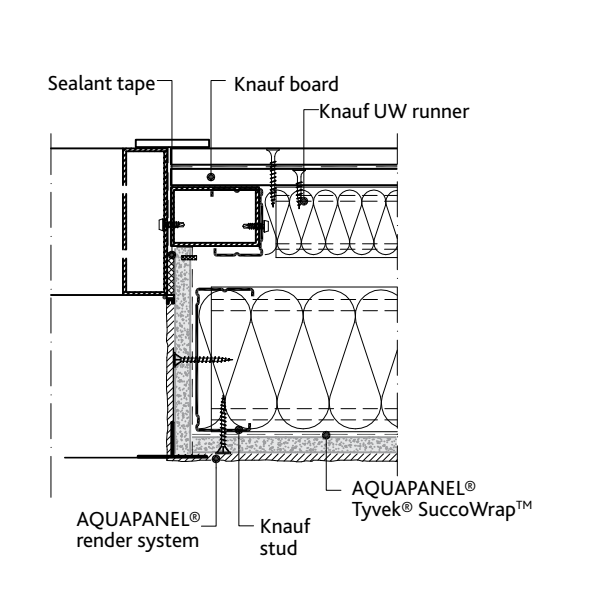
Details **Scale 1:5**



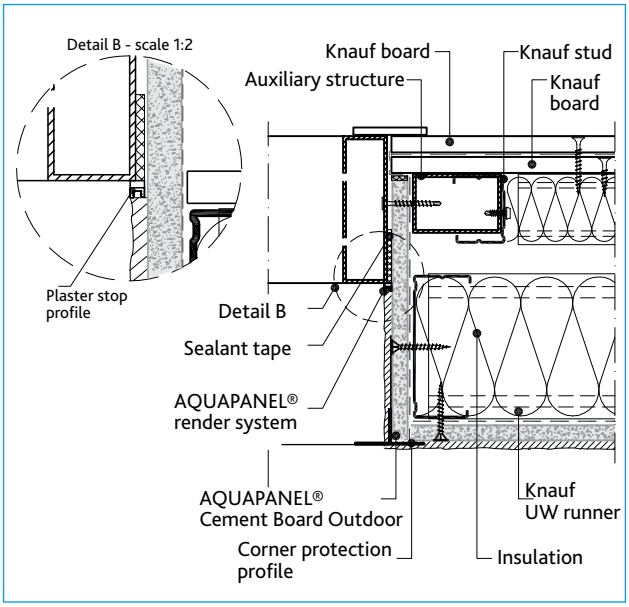
W388-F1 Lower connection to window, option 1



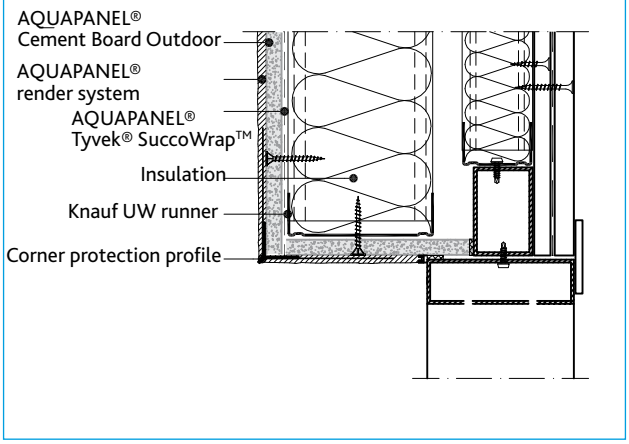
W388-V1 Lower connection to window, option 2



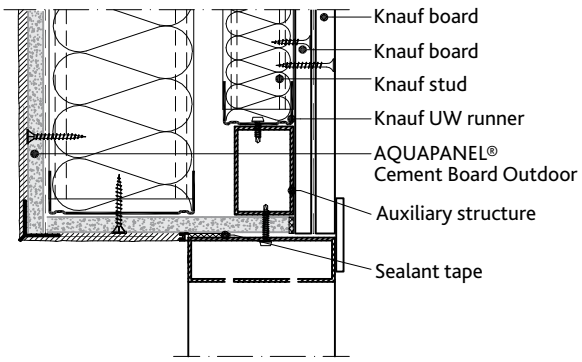
W387-F2 Side connection to window, option 1



W387-V2 Side connection to window, option 2



W388-F3 Upper connection to window, option 1



W388-F3 Upper connection to window, option 2

Note:

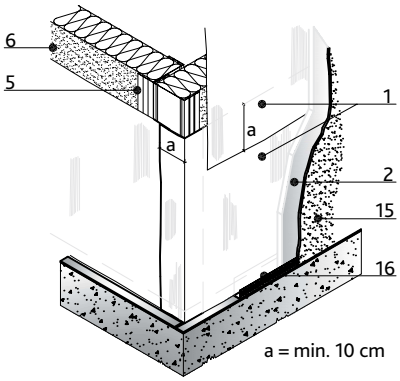
Connection details (windows, doors, wall foot etc.) should be designed avoiding thermal bridges.

Construction should be chosen according to national climatic conditions.

Installation of AQUAPANEL® Tyvek® StuccoWrap™

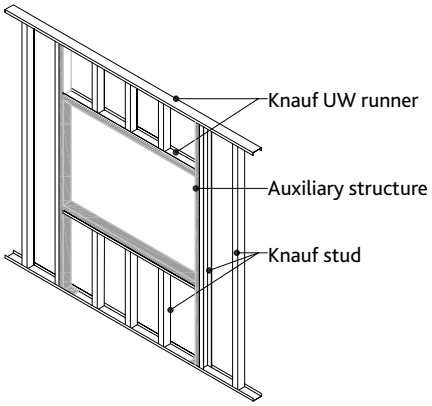
Technical data

	Physical properties	
AQUAPANEL® Tyvek® StuccoWrap™ is a water barrier for cement board systems. It is installed as a water conducting layer directly behind the board layer. AQUAPANEL® Tyvek® StuccoWrap™ is a waterproof, water vapour permeable, poly-ethylene, non-woven fabric with very fine fibres and a coarse crepe structure.	Role lengh	75 mm
	Role width	1.50 m
	Effective depth	1.40 m
AQUAPANEL® Tyvek® StuccoWrap™ is protecting insulation materials and substructures against humidity. The special wrapped design avoids appearance of waterbreak between AQUAPANEL® Cement Board Outdoor and AQUAPANEL® Tyvek® StuccoWrap™.	Thickness	~ 0.18 mm
	Water vapour diffusion	1750 g/m²/24h at 23°C, 85%Hr
	Building material class	B2 acc. to 4102

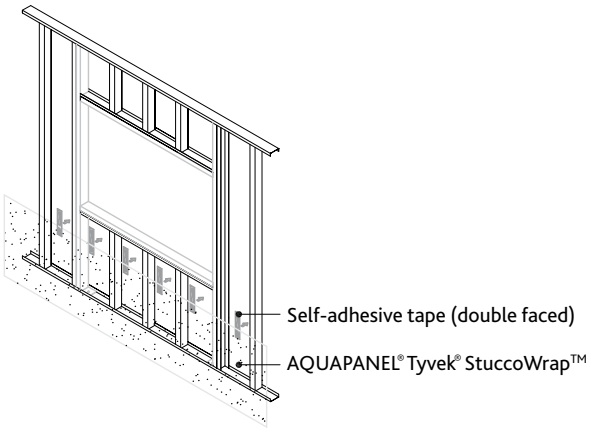


1 AQUAPANEL® Tyvek® StuccoWrap™
2 AQUAPANEL® Cement Board Outdoor
5 Knauf stud
6 Insulation
15 AQUAPANEL® render system
16 End profile

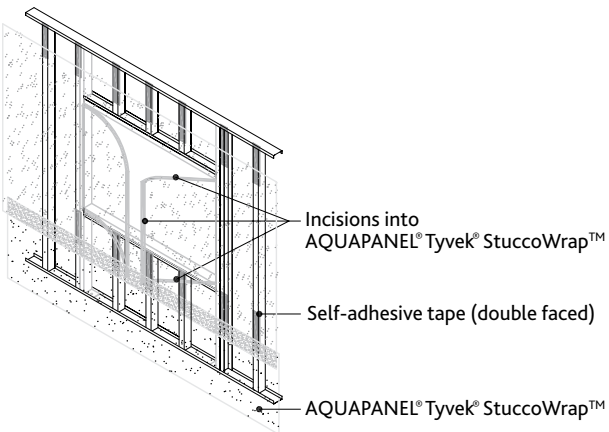
Application of AQUAPANEL® Tyvek® StuccoWrap™



Step 1
The substructure is placed in correct position. The required anchoring is installed. Application of AQUAPANEL® Tyvek® StuccoWrap™ starts bottom-up.



Step 2
AQUAPANEL® Tyvek® StuccoWrap™ is applied horizontally. Self-adhesive tape can be used to fix AQUAPANEL® Tyvek® StuccoWrap™ before panels are installed.

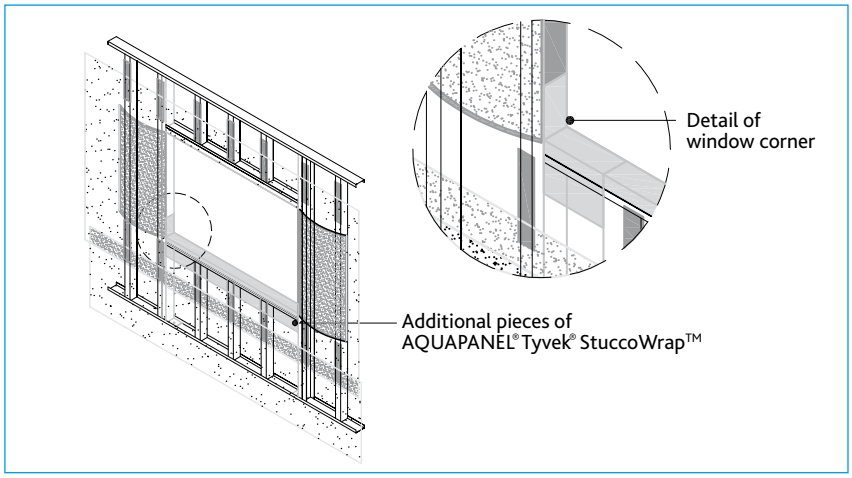


Step 3
Apply the water barrier in a single lap manner. Overlap all horizontal and vertical joints with a minimum of 10 cm. The applicator of AQUAPANEL® Tyvek® StuccoWrap™ around openings needs incisions. The barrier will be folded into the reveal and secured with glue.

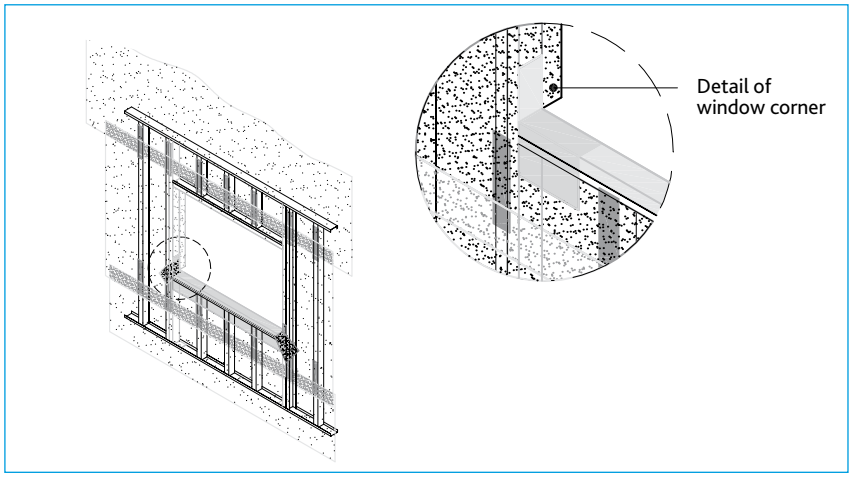
Window areas

AQUAPANEL® Tyvek® StuccoWrap™ is used for directly applied, water-managed exterior systems. Special attention must be paid to openings. AQUAPANEL® Tyvek® StuccoWrap™ secures the effective rainwater resistance, which is tested according to EN 12865.

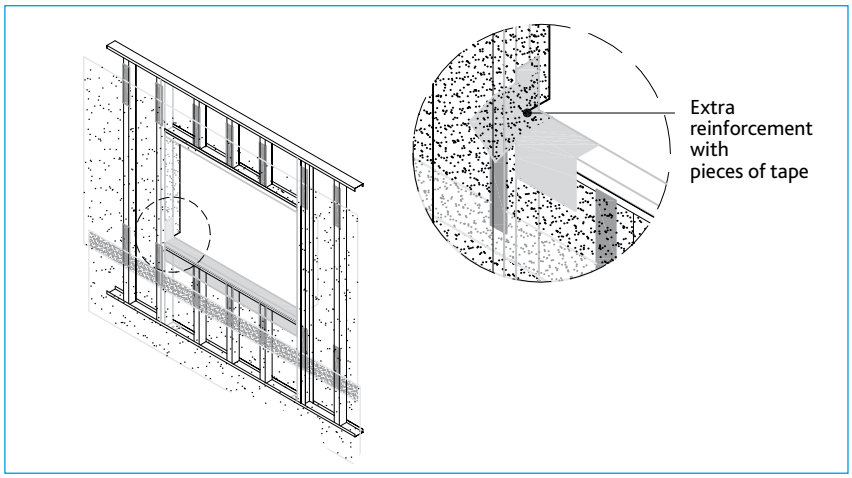
AQUAPANEL® Tyvek® StuccoWrap™ provides wind tightness, if connection to flanking components are done hermetically. For hermetic connection to flanking components, Ampacoll Superfix from Ampack is recommended.



Step 4
At the horizontal reveals, an additional piece of AQUAPANEL® Tyvek® StuccoWrap™ is applied and secured with glue. Overlap here all joints with minimum of 15 cm.



Step 5
AQUAPANEL® Tyvek® StuccoWrap™ is folded into the vertical reveals and secured with glue.

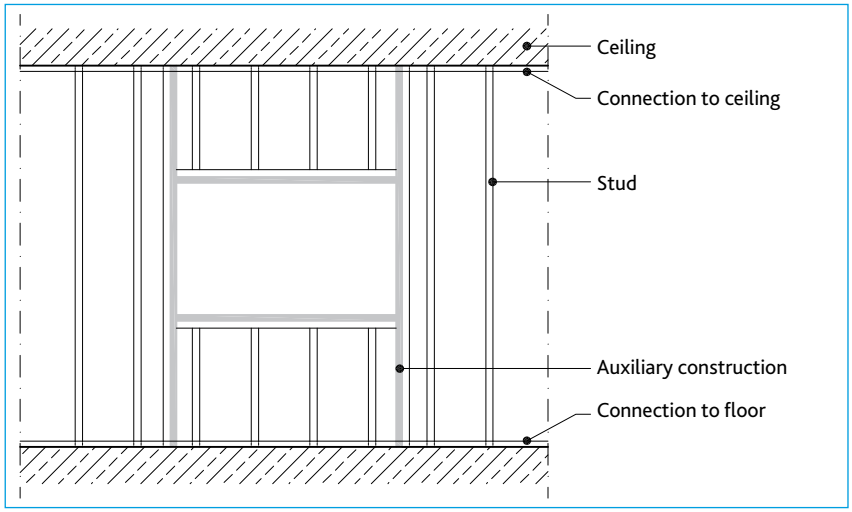


Step 6
Window corners are reinforced by an extra piece of tape, which is applied with slope 45°.

Note:
AQUAPANEL® Cement Board Qutdoor is screwed directly on the substructure after the application of AQUAPANEL® Tyvek® StuccoWrap™ to avoid damages caused by climatic or mechanical influence.

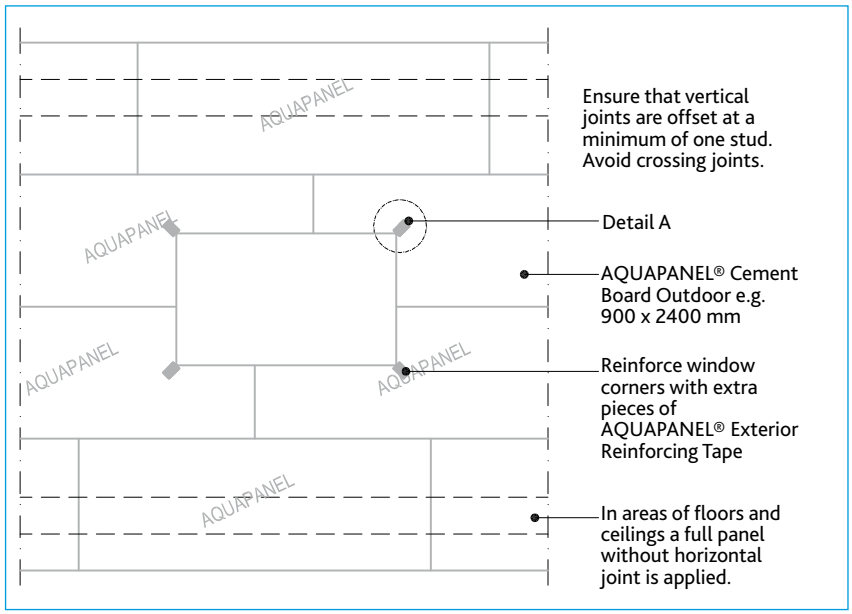
Installation of panels around openings

Details **Scale 1:5**

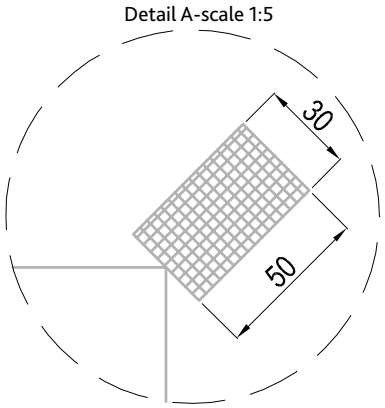


AQUAPANEL® Tyvek® StuccoWrap™ is installed between phase 1 and 2.

Phase 1
Installation of auxiliary construction to support window.

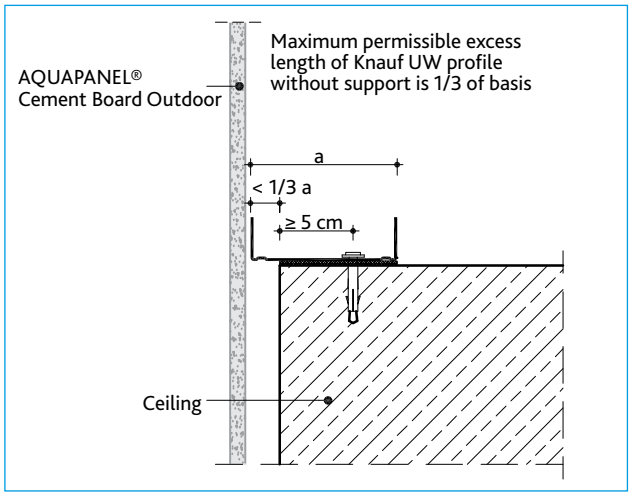


Vertical joints between panels need position at studs

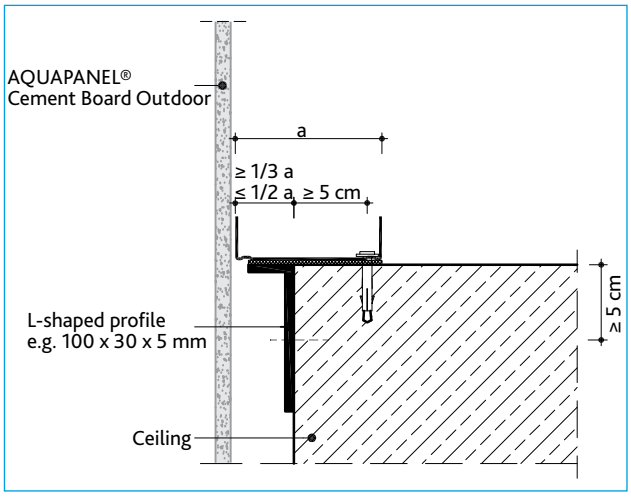


Phase 2
Take boards up to the window sill and down to window ledge. There must not be continuous joints as these could cause leaks and cracks.

Detail showing anchoring of Knauf UW runner considering tolerances



W38-F1 Solution A without additional L-shaped profile



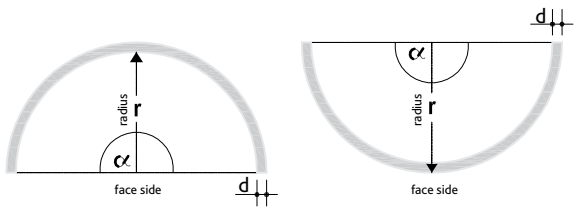
W38-F2 Solution B with additional L-shaped profile

Note:

Connection details (windows, doors, wall foot etc.) should be designed avoiding thermal bridges.
Construction should be chosen according to national climatic conditions.

Curved wall and facade constructions

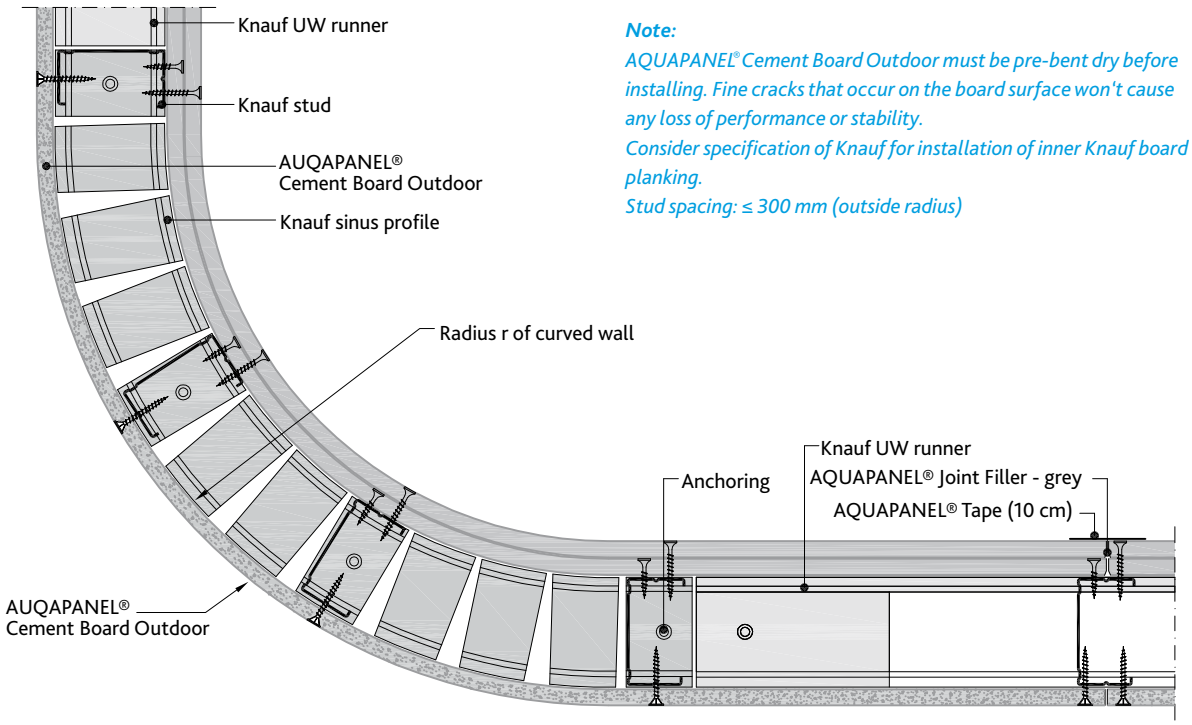
Inside Arch - Concave, outside Arch - Convex



Board thickness	Bending radius r of AQUAPANEL® Cement Board Outdoor	
d	Width 300 mm	Width 900 mm
mm	mm	mm
12.5	≥ 1000	≥ 3000

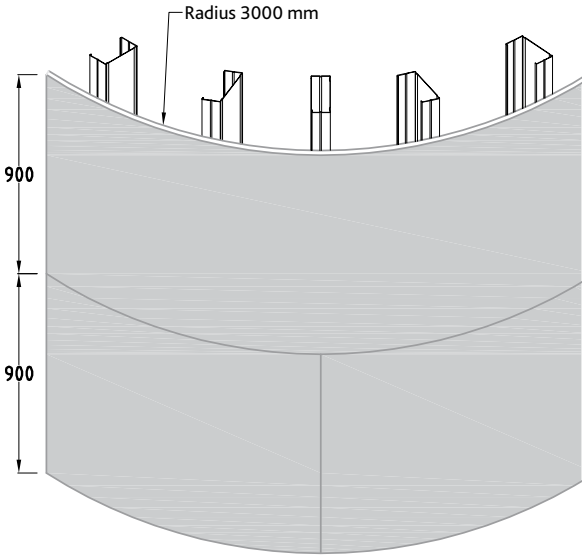
Length of layout-L		
Angel α 90°	Angel α 180°	All angles up to α 180°
$L = \frac{r \cdot \pi}{2}$	$L = r \cdot \pi$	$L = \frac{\alpha \cdot r \cdot \pi}{180}$

Details — Scale 1:5

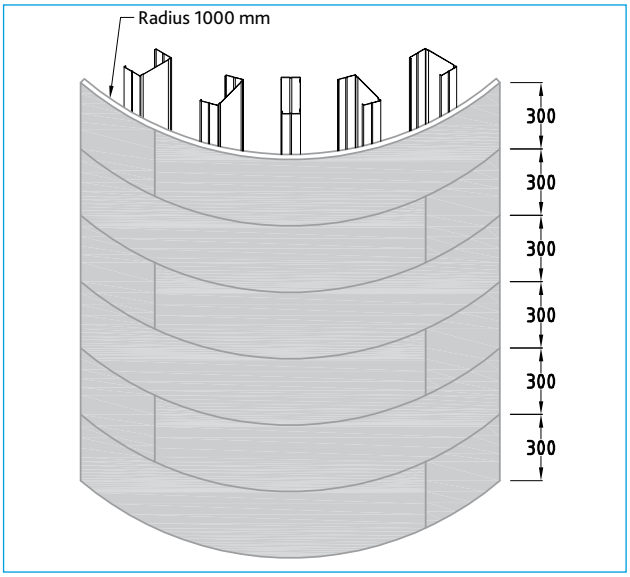


Note:
AQUAPANEL® Cement Board Outdoor must be pre-bent dry before installing. Fine cracks that occur on the board surface won't cause any loss of performance or stability.
Consider specification of Knauf for installation of inner Knauf board planking.
Stud spacing: ≤ 300 mm (outside radius)

Installation of AQUAPANEL® Cement Board Outdoor with different radius



Assembly with 900 mm width panels for r ≥ 3.0 m

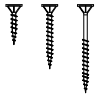


Assembly with 300 mm width panels for r ≥ 1.0 m

Basis of calculation

Material consumption			
Facing and render system	Description	Unit	Quantity per m²
AQUAPANEL® Cement Board Outdoor		m²	1.0
AQUAPANEL® Tyvek® StuccoWrap™		m²	1.1
AQUAPANEL® Maxi Srews (SN, SB)	stud spacing = 600 mm	pieces	15
AQUAPANEL® Maxi Srews (SN, SB)	stud spacing = 400 mm	pieces	20
AQUAPANEL® Maxi Srews (SN, SB)	stud spacing = 300 mm	pieces	25
AQUAPANEL® Joint Filler - grey		kg	0.7
AQUAPANEL® Tape (10 cm)		m	2.1
AQUAPANEL® Reinforcing Tape		m	2.1
AQUAPANEL® Exterior Basecoat	dry layer thickness 5 mm	kg	7.8
AQUAPANEL® Exterior Basecoat - white	dry layer thickness 4 mm	kg	6.3
AQUAPANEL® Reinforcing Mesh		m²	1.1
AQUAPANEL® Exterior Primer		g	100 - 150
AQUAPANEL® Exterior Silicon Synthetic Resin Plaster	grain size 2.0 mm	kg	3.1
AQUAPANEL® Exterior Dispersion Plaster	grain size 2.0 mm	kg	3.1
AQUAPANEL® Exterior Mineral Finish	grain size 2.0 mm	kg	3.0
AQUAPANEL® Exterior Equalising Paint	for AQUAPANEL® Exterior Mineral Finish	l	0.22

Installation times		
Facing and render system	Per m² manuel processing	Per m² mechanical processing
AQUAPANEL® Tyvek® StuccoWrap™	5 minutes	-
AQUAPANEL® Cement Board Outdoor	15 minutes	15 minues
AQUAPANEL® Maxi Srews (SN, SB)	15 minutes	15 minues
AQUAPANEL® Joint Filler - grey	15 minutes	15 minues
AQUAPANEL® Tape (10 cm) or AQUAPANEL® Reinforcing Tape	15 minutes	15 minues
AQUAPANEL® Exterior Basecoat	8-10 minutes	5 minues
AQUAPANEL® Exterior Basecoat - white	8-10 minutes	5 minues
AQUAPANEL® Reinforcing Mesh	3-4 minutes	-
AQUAPANEL® Exterior Primer	1 minute	-
AQUAPANEL® Exterior Silicon Synthetic Resin Plaster	12 minutes	12 minues
AQUAPANEL® Exterior Dispersion Plaster	12 minutes	12 minues
AQUAPANEL® Exterior Mineral Finish	12 minutes	12 minues
AQUAPANEL® Exterior Equalising Paint	2 minutes	-

Information on AQUAPANEL® Maxi Srew						
AQUAPANEL® Maxi Screw is specially designed for fastening AQUAPANEL® Cement Board Outdoor on metal and timber substructures with different sheet thicknesses. Both types, with needle tip and drill point, are designed with a flat head. *AQUAPANEL® Maxi Screw can be used for exterior wall and ceiling applications. The screws have a special corrosion protection coating, which gives a guaranteed 500 hours corrosion resistance in salt spray test.*		Metal thickness 0.6 - 0.7 mm			Metal thickness > 0.7 - 2.0 mm	
		single-layer	double-layer	triple-layer	single-layer	double-layer
AQUAPANEL® Maxi Srews SN 25		x				
AQUAPANEL® Maxi Srews SN 39		x	x			
AQUAPANEL® Maxi Srews SN 55				x		
AQUAPANEL® Maxi Srews SB 25					x	
AQUAPANEL® Maxi Srews SB 39					x	x

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AQUAPANEL® Cement Board Outdoor