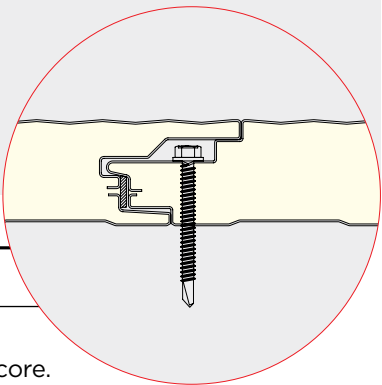
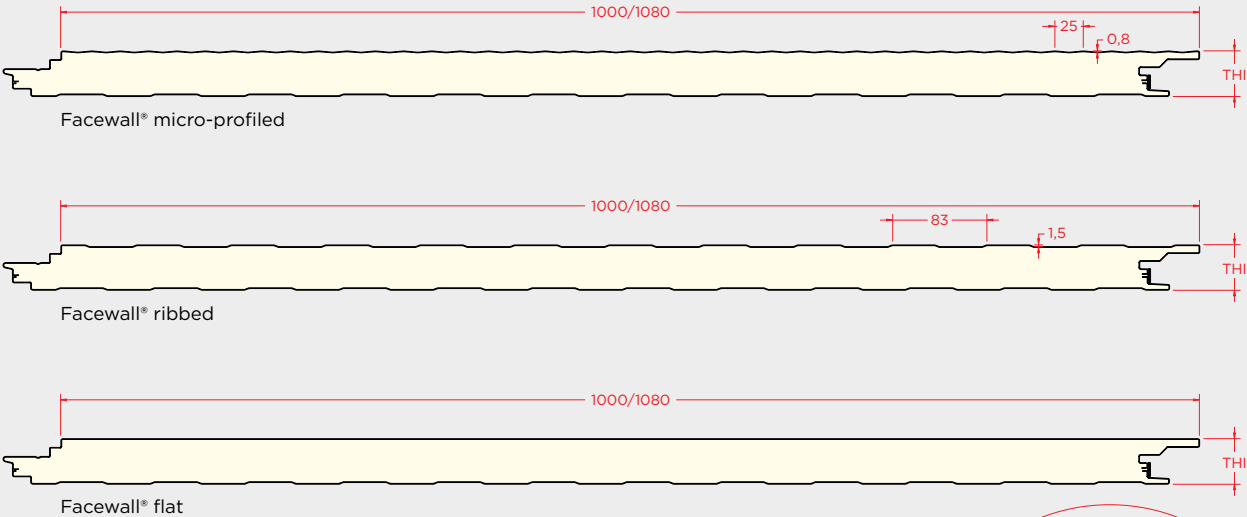




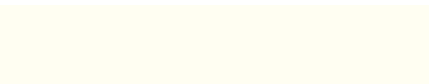
Designation	Facewall®.
Description	Insulated panel composed of two profiled metal sheets joined by a rigid polyurethane (PUR) or polyisocyanurate (PIR) foam core. Façade panel with hidden fixing, available with a ribbed, micro-profiled, or flat face. Product manufactured according to EN 14509 and subject to performance assessment and verification according to system 1.
Application	Building facades.
Dimensions*	Thicknesses: 40-50-60-80-100 mm ±2 mm Width: 1000 – 1080 mm ±2 mm Length: 4,00 – 14,00 m ±10 mm Maximum recommended length: 8,00 m
Metallic support	Steel grade S250GD, EN 10346 Organic coating lacquered coils: EN 10169+A1 Thicknesses: 0,5-0,6 mm
Insulated core	Polyurethane (PUR) Polyisocyanurate (PIR) Thermal conductivity: <u>PUR</u>: 0,0207 W/m °C <u>PIR</u>: 0,0207 W/m °C Density: 40 kg/m³ Reaction to fire: <u>PUR</u>: B-s2,d0 <u>PIR</u>: B-s2,d0 <u>PIR-HI</u>: B-s1,d0
Coating	Standard: Polyester paint 25 µm Specials: Granite HDX 55 µm PVDF 35 µm

*Tolerances according to EN 14509
W/m K = W/m °C | W/m² K = W/m² °C

Color range

The colors displayed in the catalog meet our standards as accurately as possible. However, minor variations are inevitable, which is why we recommend that you always perform a color test using an actual sample.

RAL 9010 Pure white



RAL 9006 White aluminium



RAL 9004 Signal black



RAL 7022 Umbra grey



RAL 7016 Anthracite grey



RAL 7012 Basalt grey



RAL 6005 Moss green



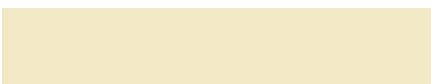
RAL 5010 Gentian blue



RAL 3009 Oxide red



RAL 1015 Light ivory



Special color range

The following references have a textured finish.

Corten 256



Corten 522



Thermal behavior and weights

Thickness	mm	40	50	60	80	100
Thermal transmittance, U (EN 14509 A.10)	W/m² °C	0,56	0,42	0,34	0,25	0,20
Weight (Steel sheet Thickness 0,5/0,4)	Kg/m²	8,5	8,9	9,3	9,7	10,1
Weight (Steel sheet Thickness 0,6/0,4)	Kg/m²	9,9	10,3	10,7	11,1	11,5

W/m K = W/m °C | W/m² K = W/m² °C

Load/Span tables

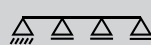
Steel sheet | Thicknesses 0,5/0,4

Simple support conditions

Thickness	Load	Uniformly distributed loads [kN/m²] Span L [m]															
mm	▲ ▼	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00	4,25	4,50	4,75	5,00	
40	◀	2,24	1,62	1,18	0,80	0,50											
	▶	2,24	1,62	1,18	0,80	0,50											
50	◀	3,36	2,51	1,90	1,45	1,12	0,84	0,58	0,39								
	▶	3,36	2,51	1,90	1,45	1,12	0,84	0,58	0,39								
60	◀	4,39	3,36	2,57	2,03	1,64	1,31	1,05	0,84	0,62	0,45	0,32					
	▶	4,39	3,46	2,68	2,09	1,65	1,31	1,05	0,84	0,62	0,45	0,32					
80	◀	5,89	4,55	3,49	2,75	2,23	1,84	1,55	1,32	1,14	0,99	0,87	0,77	0,64	0,51	0,40	
	▶	5,89	5,05	4,36	3,50	2,84	2,32	1,91	1,58	1,32	1,10	0,92	0,78	0,64	0,51	0,40	
100	◀	6,32	5,42	4,40	3,48	2,82	2,33	1,96	1,67	1,44	1,25	1,10	0,97	0,87	0,78	0,70	
	▶	6,32	5,42	4,74	4,21	3,78	3,12	2,62	2,24	1,93	1,68	1,48	1,28	1,10	0,95	0,82	

◀ Exterior suction ▶ Exterior pressure

Multiple support conditions

Thickness	Load	Uniformly distributed loads [kN/m²] Span L [m]																	
mm	▲ ▼	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00	4,25	4,50	4,75	5,00			
40	◀	2,83	2,16	1,65	1,31	1,06	0,88	0,74	0,63	0,54	0,47	0,41	0,37	0,33					
	▶		2,34	1,90	1,57	1,31	1,10	0,93	0,79	0,68	0,58	0,50	0,44	0,38	0,33				
50	◀	3,12	2,67	2,11	1,67	1,35	1,12	0,94	0,80	0,69	0,60	0,53	0,47	0,42	0,37	0,34			
	▶		3,12	2,67	2,34	2,08	1,81	1,50	1,26	1,07	0,93	0,81	0,71	0,63	0,55	0,48	0,43		
60	◀	3,33	2,86	2,50	2,03	1,64	1,36	1,14	0,97	0,84	0,73	0,64	0,57	0,51	0,46	0,41			
	▶		3,33	2,86	2,50	2,22	2,00	1,82	1,53	1,31	1,13	0,98	0,86	0,76	0,68	0,61	0,54		
80	◀	3,76	3,22	2,82	2,51	2,23	1,84	1,55	1,32	1,14	0,99	0,87	0,77	0,69	0,62	0,56			
	▶		3,76	3,22	2,82	2,51	2,25	2,05	1,88	1,73	1,53	1,33	1,17	1,04	0,92	0,83	0,75		
100	◀	4,18	3,59	3,14	2,79	2,51	2,28	1,96	1,67	1,44	1,25	1,10	0,97	0,87	0,78	0,70			
	▶		4,18	3,59	3,14	2,79	2,51	2,28	2,09	1,93	1,79	1,67	1,48	1,31	1,17	1,05	0,94		

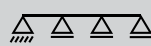
Steel sheet | Thicknesses 0,6/0,4

Simple support conditions

Thickness	Load	Uniformly distributed loads [kN/m²] Span L [m]															
mm	▲ ▼	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00	4,25	4,50	4,75	5,00	
40	◀	2,30	1,67	1,23	0,83	0,52	0,30										
	▶	2,30	1,67	1,23	0,83	0,52	0,30										
50	◀	3,44	2,58	1,96	1,51	1,17	0,88	0,61	0,41								
	▶	3,44	2,58	1,96	1,51	1,17	0,88	0,61	0,41								
60	◀	4,39	3,35	2,57	2,03	1,64	1,36	1,10	0,89	0,66	0,48	0,34					
	▶	4,39	3,55	2,76	2,17	1,72	1,37	1,10	0,89	0,66	0,48	0,34					
80	◀	5,89	4,55	3,48	2,75	2,23	1,84	1,55	1,32	1,14	0,99	0,87	0,77	0,68	0,54	0,43	
	▶	5,89	5,05	4,42	3,61	2,94	2,41	1,99	1,66	1,38	1,16	0,98	0,82	0,68	0,54	0,43	
100	◀	6,32	5,41	4,40	3,48	2,82	2,33	1,96	1,67	1,44	1,25	1,10	0,97	0,87	0,78	0,70	
	▶	6,32	5,41	4,74	4,21	3,79	3,45	3,00	2,53	2,15	1,83	1,57	1,34	1,16	1,00	0,87	

◀ Exterior suction ▶ Exterior pressure

Multiple support conditions

Thickness	Load	Uniformly distributed loads [kN/m²] Span L [m]															
mm	▲ ▼	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00	4,25	4,50	4,75	5,00	
40	◀	2,82	2,16	1,65	1,31	1,06	0,87	0,73	0,63	0,54	0,47	0,41	0,37	0,33			
	▶	2,82	2,37	1,93	1,60	1,34	1,13	0,96	0,82	0,67	0,55	0,47	0,40	0,35	0,30		
50	◀	3,12	2,67	2,11	1,67	1,35	1,12	0,94	0,80	0,69	0,60	0,53	0,47	0,42	0,37	0,34	
	▶	3,12	2,67	2,34	2,08	1,87	1,64	1,41	1,15	0,93	0,77	0,64	0,55	0,47	0,41	0,36	
60	◀	3,33	2,85	2,50	2,03	1,64	1,36	1,14	0,97	0,84	0,73	0,64	0,57	0,51	0,46	0,41	
	▶	3,33	2,85	2,50	2,22	2,00	1,82	1,67	1,50	1,22	1,00	0,84	0,71	0,61	0,53	0,46	
80	◀	3,76	3,22	2,82	2,50	2,23	1,84	1,55	1,32	1,14	0,99	0,87	0,77	0,69	0,62	0,56	
	▶	3,76	3,22	2,82	2,50	2,25	2,05	1,88	1,73	1,61	1,50	1,29	1,08	0,92	0,79	0,69	
100	◀	4,18	3,59	3,14	2,79	2,51	2,28	1,96	1,67	1,44	1,25	1,10	0,97	0,87	0,78	0,70	
	▶	4,18	3,59	3,14	2,79	2,51	2,28	2,09	1,93	1,79	1,67	1,57	1,48	1,28	1,09	0,94	