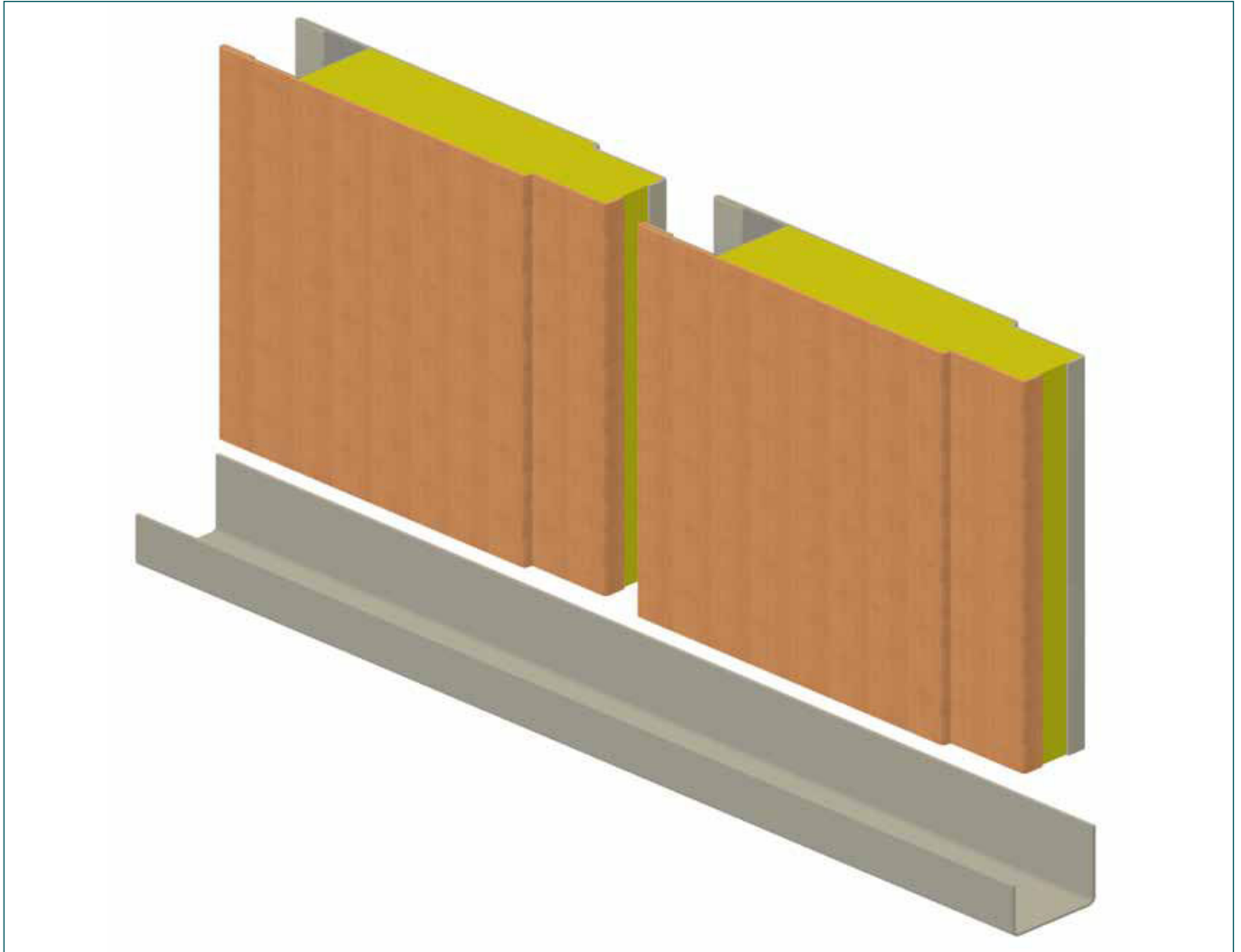


## Lining panels

# Type W25, W25-AS & W25-AA

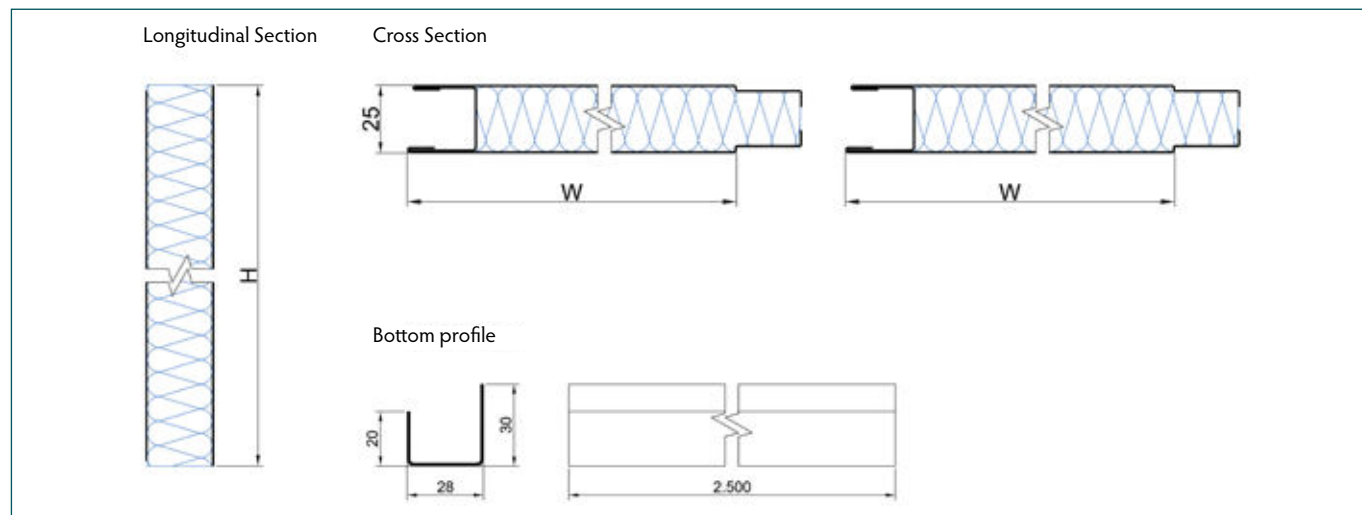


The W25, W25-AS and W25-AA wall elements represent the standard system when it comes to the application of single-sided decorative lining panels. Depending on the customer specifications regarding fire rating and weight different covering layer combinations can be chosen. Besides the W25 wall panel is certified with several fixtures. For all assembly situations, mutable connection types are available whereat as a standard the panel type with integrated tongue is being used.

A large variety of surface finishes are available, all of them fitted with a removable protection foil to prevent any damage from occurring during installation. The design of the W25, W25-AS and W25-AA panel system and all components have been tested and approved according to international standards.

## Lining panels

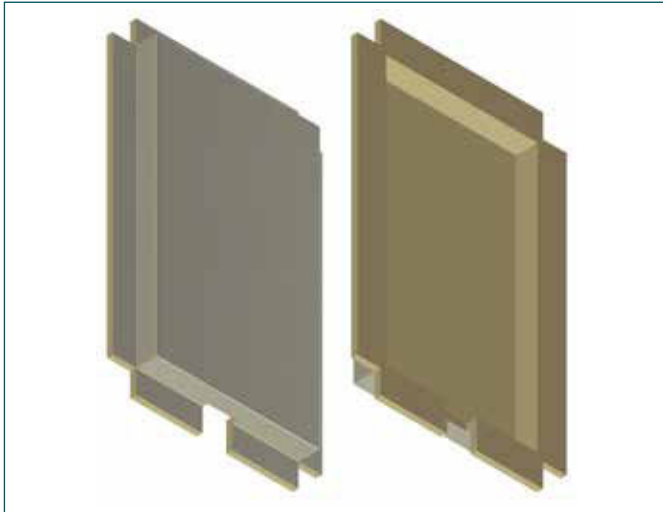
# Type W25, W25-AS & W25-AA



Technical data	W25	W25-AS	W25-AA
Covering layer (visible side)	Steel	Steel	Aluminum
Covering layer (back side)	Steel	Aluminum	Aluminum
Fire classification	B-15	B-0	C
Sound reduction	up to 30 dB	---	---
Thickness	25 mm	25 mm	25 mm
Element width - Standard	550 mm	550 mm	550 mm
- Range	250 - 1,200 mm	250 - 650 mm	250 - (not limited) mm
Element height	up to 2,475 mm	up to 2,475 mm	(not limited) mm
Weight - Panel	14.5 kg/m <sup>2</sup>	11.5 kg/m <sup>2</sup>	8.6 kg/m <sup>2</sup>
- Bottom profile	0.6 kg/m	0.6 kg/m	0.6 kg/m
Certified fixtures	Cable duct Reinforcements Backside cover WC with backside cover box	---	---
Coating	PVC foil varnish coated (others on request)	PVC foil varnish coated (others on request)	PVC foil varnish coated (others on request)
Certification	MED, USCG	MED, USCG	---

## Lining panels

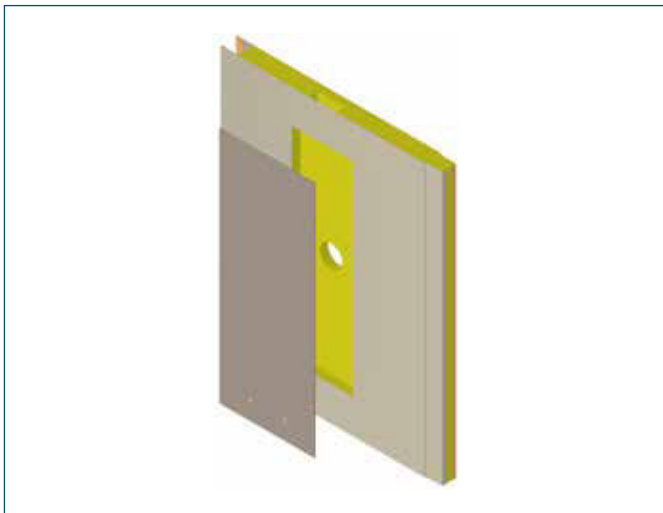
### Certified fixtures for W25



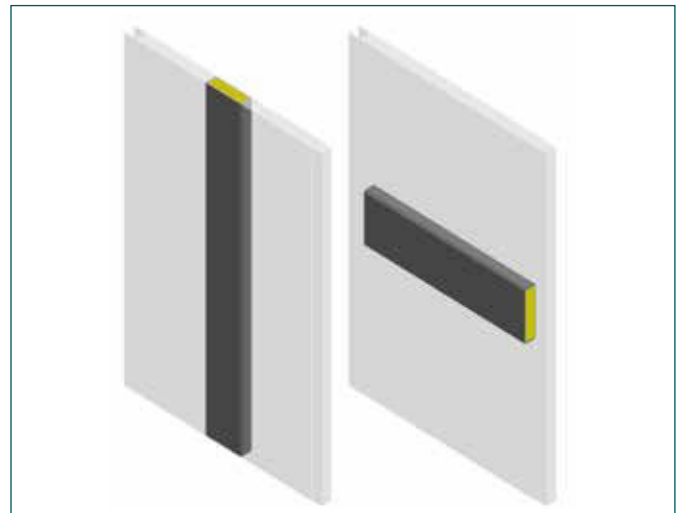
Technical data	Backside cover (hard)
Fire class	B-15
Dimensions	up to 450 x 700 mm
Height	min. +9 mm behind fixture



Technical data	Backside cover (soft)
Fire class	B-15
Dimensions	up to 235 x 400 mm
Depth	min. +3 mm behind fixture



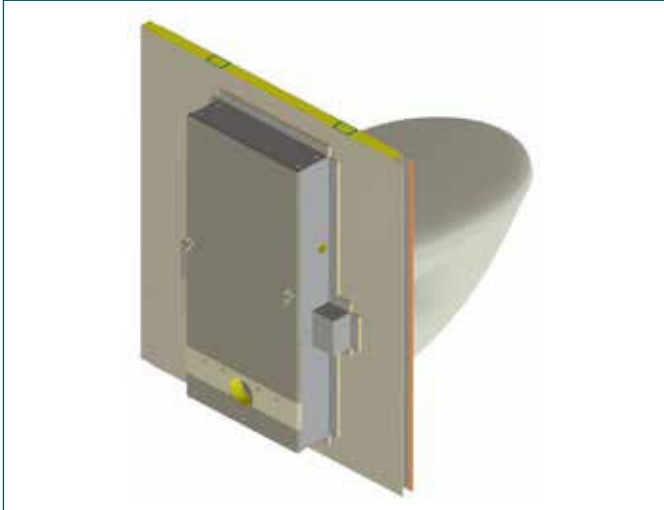
Technical data	Cable duct
Fire class	B-15
Dimensions	up to 90 x 2,075 mm
Depth	12.5 mm



Technical data	Vertical & horizontal reinforcements
Fire class	B-15
Dimensions	according to customer specifications

## Lining panels

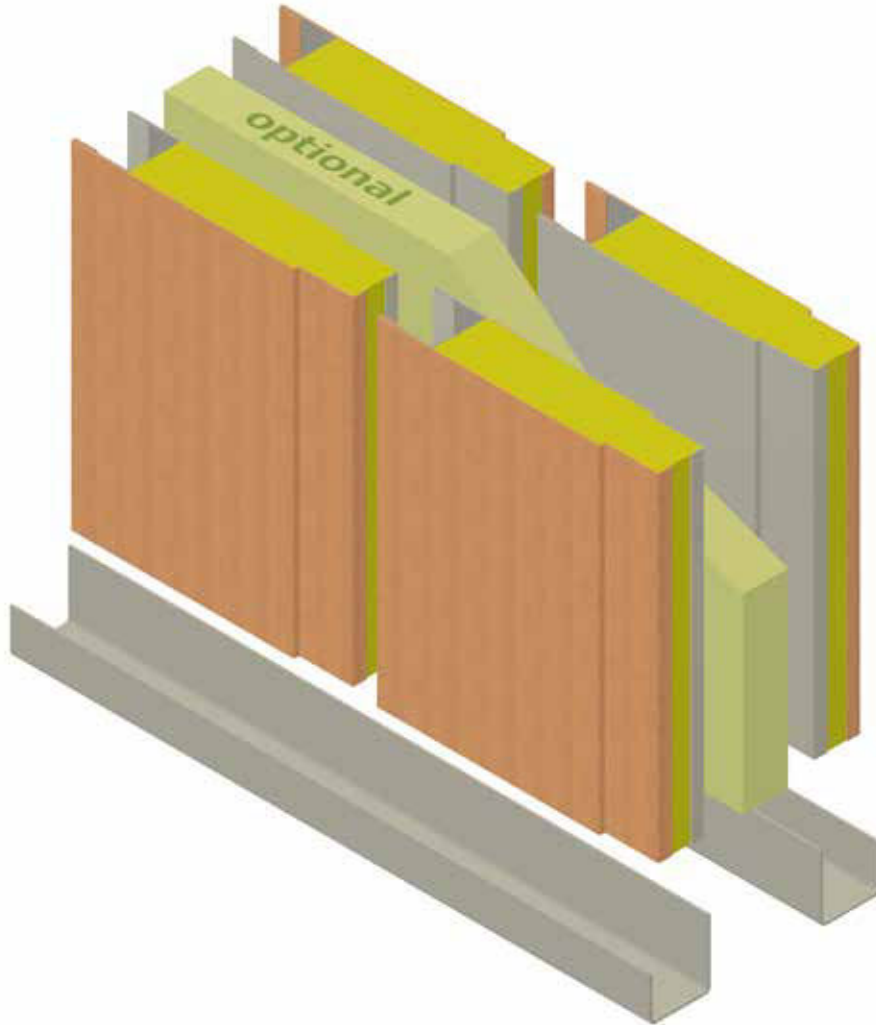
# Certified fixtures for W25



Technical data	WC with accessible back box
Fire class	B-15
Dimensions	up to 300 x 635 mm
Depth	depending on WC

## Double wall systems

### Type W25 & W25-AA

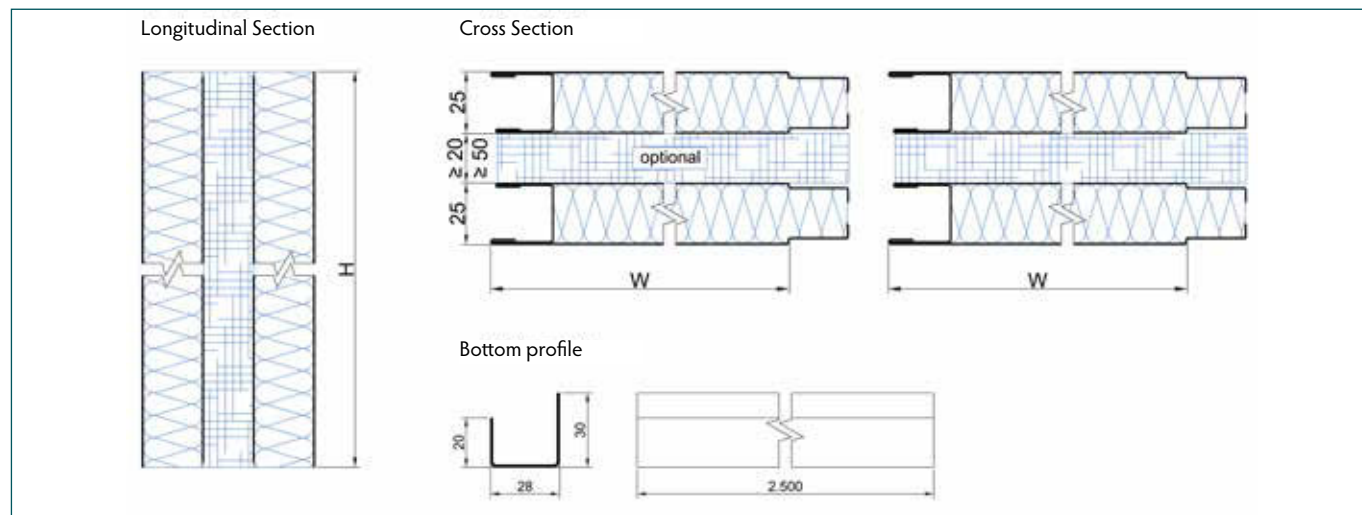


Besides the W25 and W25-AA single walls the panels can be assembled as double wall systems as well. According to customer requirements, the double wall systems can be produced with steel or lightweight aluminum layers. With a mass of only  $2 \times 9.1 \text{ kg/m}^2$  the aluminum version is especially used when the weight on board plays an important role. Both variants ensure B-15 fire rating. For all assembly situations, suitable connection types are available whereas as a standard the panel type with integrated tongue is being used.

A large variety of surface finishes are available, all of them fitted with a removable protection foil to prevent any damage from occurring during installation. The design of the W25 and W25-AA double wall systems and all components have been tested and approved according to international standards.

## Double wall systems

# Type W25 & W25-AA

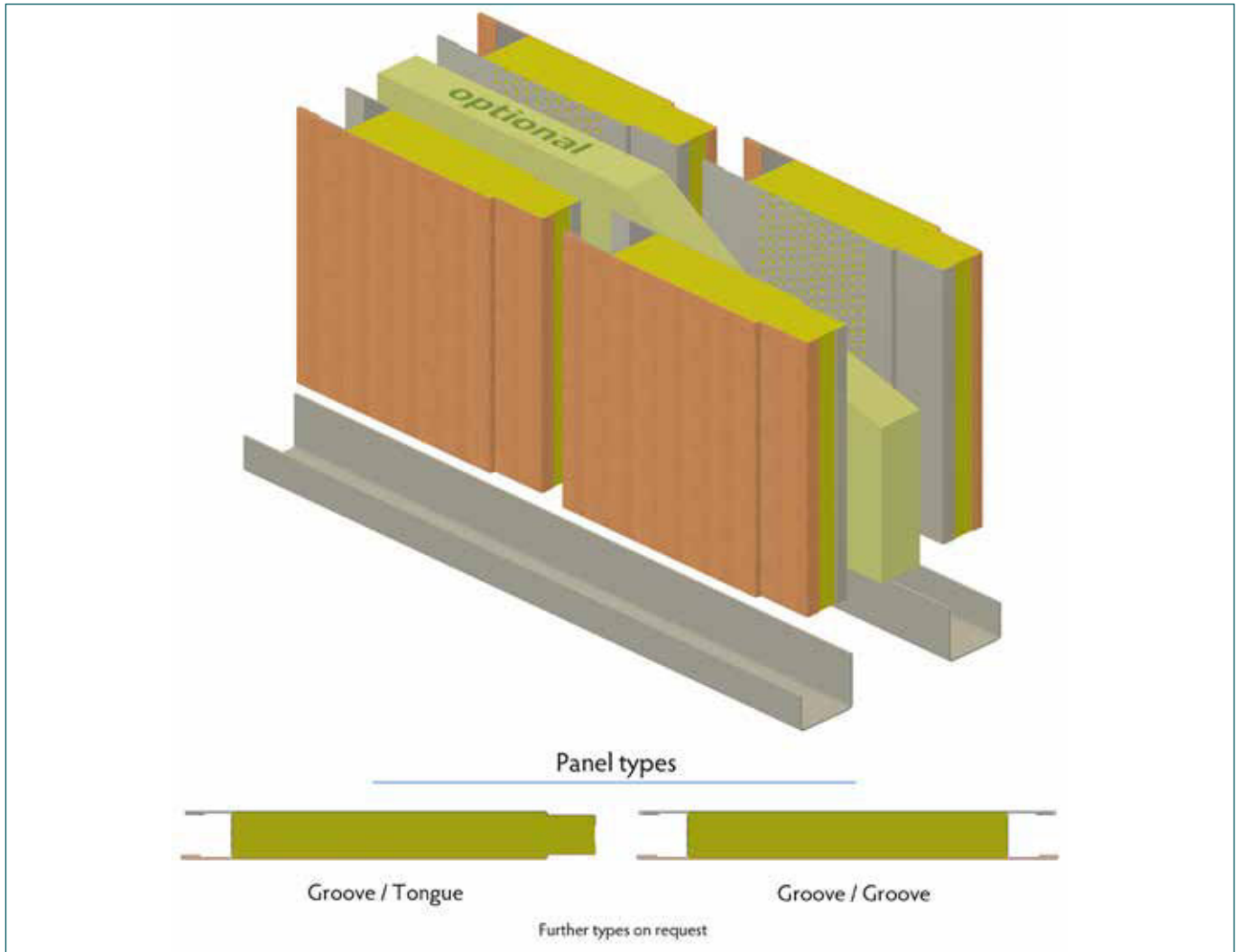


Technical data	W25	W25-AA
Covering layer (visible side)	Steel	Aluminum
Covering layer (back side)	Steel	Aluminum
Fire classification	B-15	B-15
Sound reduction - 20 mm distance - 50 mm distance	37 dB / 44 dB* 39 dB / 50 dB*	--- / ---
Thickness	25 + ≥ 20 + 25 mm	25 + ≥ 50 + 25 mm
Element width - Standard - Range	550 mm 250 - 1,200 mm	550 mm 250 - 600 mm
Element height	up to 2,475 mm	up to 2,475 mm
Weight - Panel - Cavity insulation (air gap) - Bottom profile	2 x 14.5 kg/m <sup>2</sup> +0.7 kg/m <sup>2</sup> (20 mm) +1.2 kg/m <sup>2</sup> (50 mm) 2 x 0.6 kg/m	2 x 9.1 kg/m <sup>2</sup> +1.2 kg/m <sup>2</sup> (50 mm) 2 x 0.6 kg/m
Coating	PVC foil varnish coated (others on request)	PVC foil varnish coated (others on request)
Certification	MED, USCG	MED, USCG

\* without / with cavity insulation

## Perforated double wall systems

### Type W25P, W25PR & W70ML

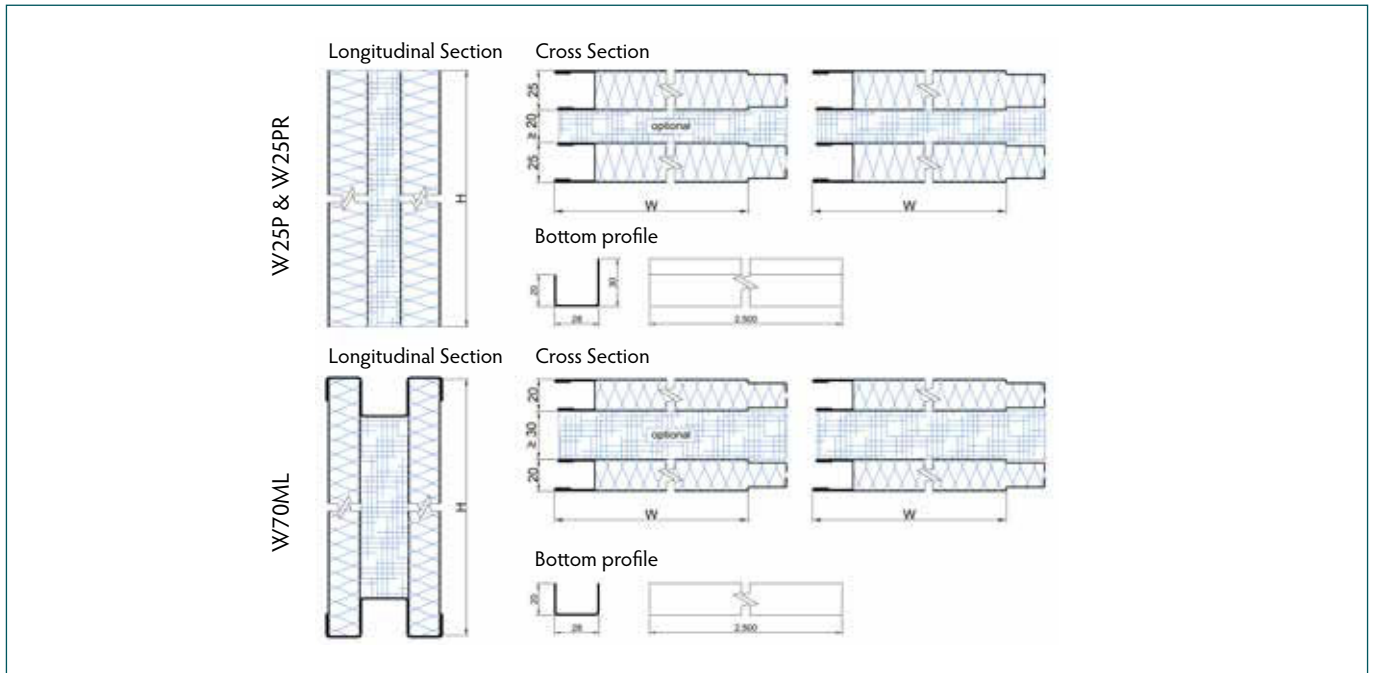


The W25P & W25PR double wall systems represent the standard system when it comes to very high noise reduction requirements. By perforating the backsides of each panel and the optional adding cavity insulation, the double wall systems reaches a sound reduction of up to  $R_w = 61$  dB. The W70ML is a special type whereas the assembly can be done by mounting each side separately or as a prefabricated double wall element. For all assembly situations mutable connection types are available whereat as a standard the panel type with integrated tongue is being used.

A large variety of surface finishes are available, all of them fitted with a removable protection foil to prevent any damage from occurring during installation. The design of the W25P, W25PR & W70ML double wall systems and all components have been tested and approved according to international standards.

## Perforated double wall systems

### Type W25P, W25PR & W70ML



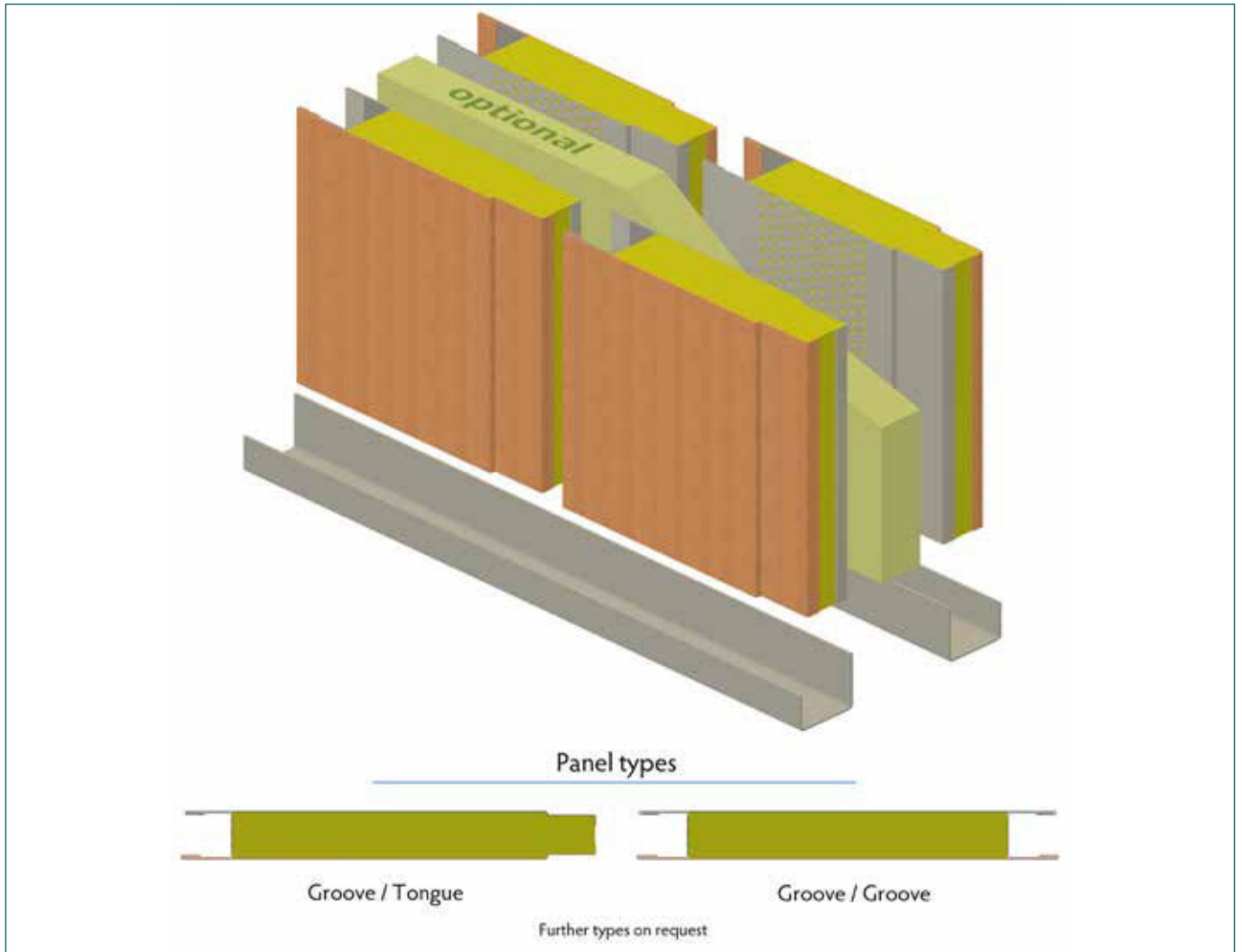
Technical data	W25P	W25PR	W70ML
Covering layer (visible side)	Steel	Steel	Steel
Covering layer (back side)	Steel (perforated)	Steel (perforated)	Steel (perforated)
Fire classification	B-15	B-15	B-15
Sound reduction			
- 20 mm distance	44 dB / 46 dB*	46 dB / 53 dB*	--- / ---
- 30 mm distance	--- / ---	--- / ---	45 dB / 48 dB*
- 50 mm distance	43 dB / 49 dB*	47 dB / 57 dB*	--- / ---
- 70 mm distance	--- / ---	--- / 59 dB*	--- / ---
- 100 mm distance	--- / ---	--- / 61 dB*	--- / ---
Thickness	25 + $\geq$ 20 + 25 mm	25 + $\geq$ 20 + 25 mm	20 + $\geq$ 30 + 20 mm
Element width - Standard	550 mm	550 mm	550 mm
- Range	250 - 600 mm	250 - 600 mm	250 - 600 mm
Element height	up to 2,975 mm	up to 3,175 mm	up to 2,475 mm
Weight - Panel	2 x 14.1 kg/m <sup>2</sup>	2 x 18.5 kg/m <sup>2</sup>	2 x 13.1 kg/m <sup>2</sup>
- Cavity insulation (air gap)	+0.7 kg/m <sup>2</sup> (20 mm) +1.2 kg/m <sup>2</sup> (50 mm)	+0.7 kg/m <sup>2</sup> (20 mm) +1.2 kg/m <sup>2</sup> (50 mm) +1.9 kg/m <sup>2</sup> (70 mm) +2.4 kg/m <sup>2</sup> (100 mm)	+0.7 kg/m <sup>2</sup> (30 mm)
- Bottom profile	2 x 0.6 kg/m	2 x 0.6 kg/m	1 x 0.5 kg/m
- Spacing profile			2 x 1.2 kg/m
Coating	PVC foil varnish coated (others on request)	PVC foil varnish coated (others on request)	PVC foil varnish coated (others on request)
Certification	MED, USCG	MED, USCG	MED, USCG

\* without / with cavity insulation



## Perforated single & double wall systems

### Type W25P (light weight)



The W25P (light weight) system represents the alternative system when it comes to very high noise reduction in combination with low weight requirements for prefabricated cabins. The W25P (light weight) is certified as single wall with several fixtures. By perforating the backsides of each panel and the option of adding cavity insulation as well as being placed as double wall (prefab cabin to prefab cabin) a sound reduction of up to  $R_w = 54$  dB can be reached. For all assembly situations mutable connection types are available whereat as a standard the panel type with integrated tongue is being used.

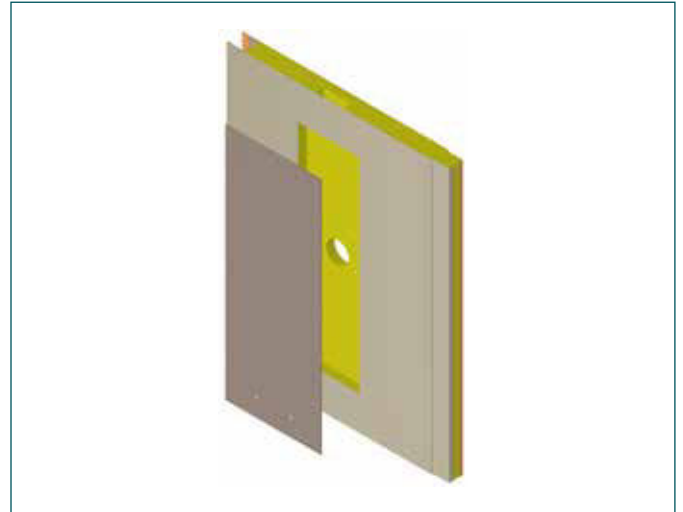
A large variety of surface finishes are available, all of them fitted with a removable protection foil to prevent any damage from occurring during installation. The design of the W25P (light weight) system and all components have been tested and approved according to international standards.

## Perforated single & double wall systems

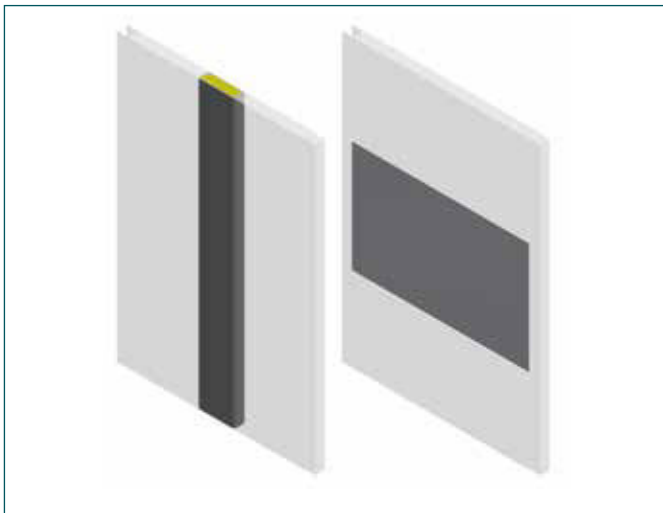
### Certified fixtures for W25P (light weight)



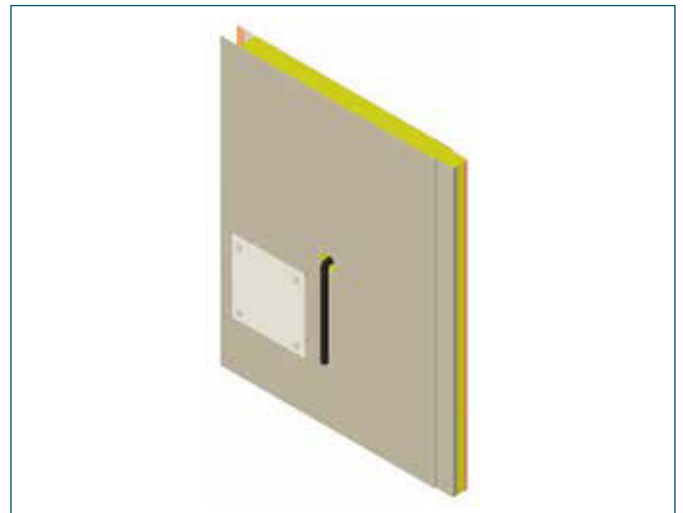
Technical data	Backside cover (soft)
Fire class	B-0
Dimensions	up to 235 x 400 mm
Depth	min. +3 mm behind fixture



Technical data	Cable duct
Fire class	B-0
Dimensions	up to 90 x 2,075 mm
Depth	12.5 mm



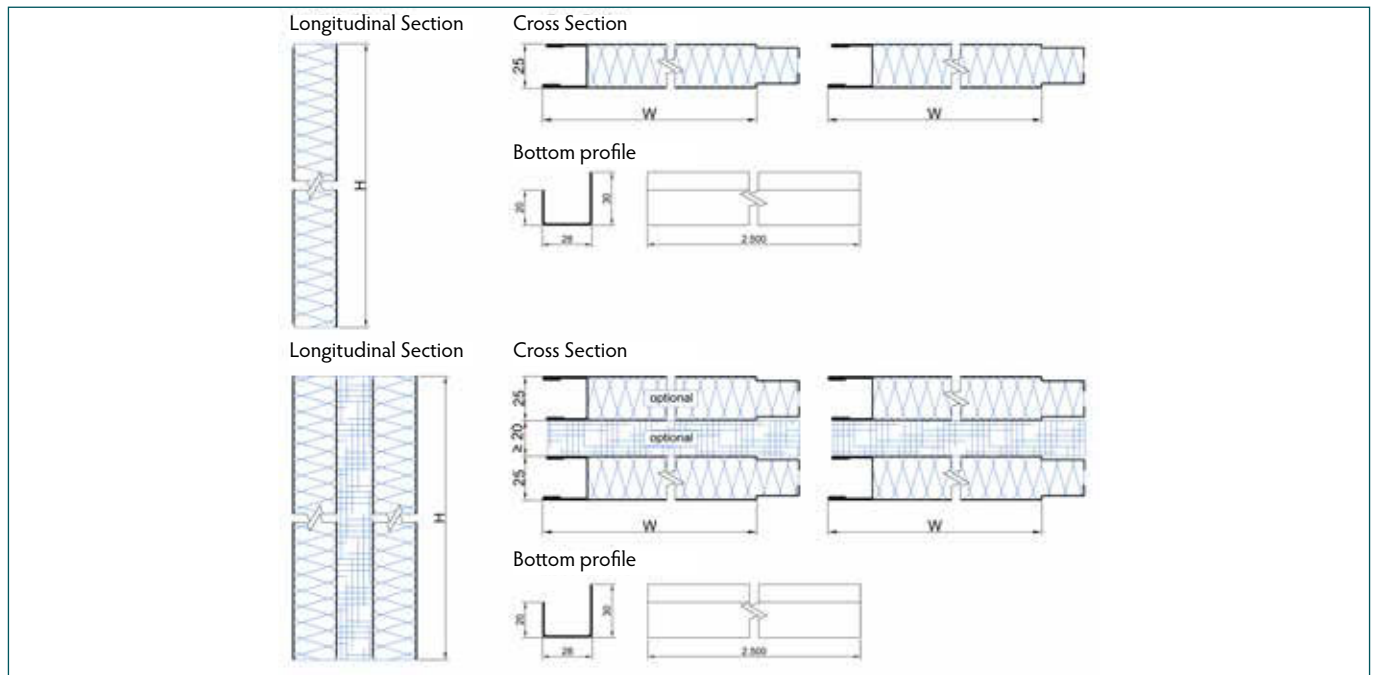
Technical data	Reinforcements
Fire class	B-0
Dimensions	according to customer specifications



Technical data	Cable penetration
Fire class	B-0
Dimensions	cut out Ø 20mm with cover 100 x 100 mm
Depth	min. +3 mm behind cable

## Perforated single & double wall systems

### Type W25P (light weight)

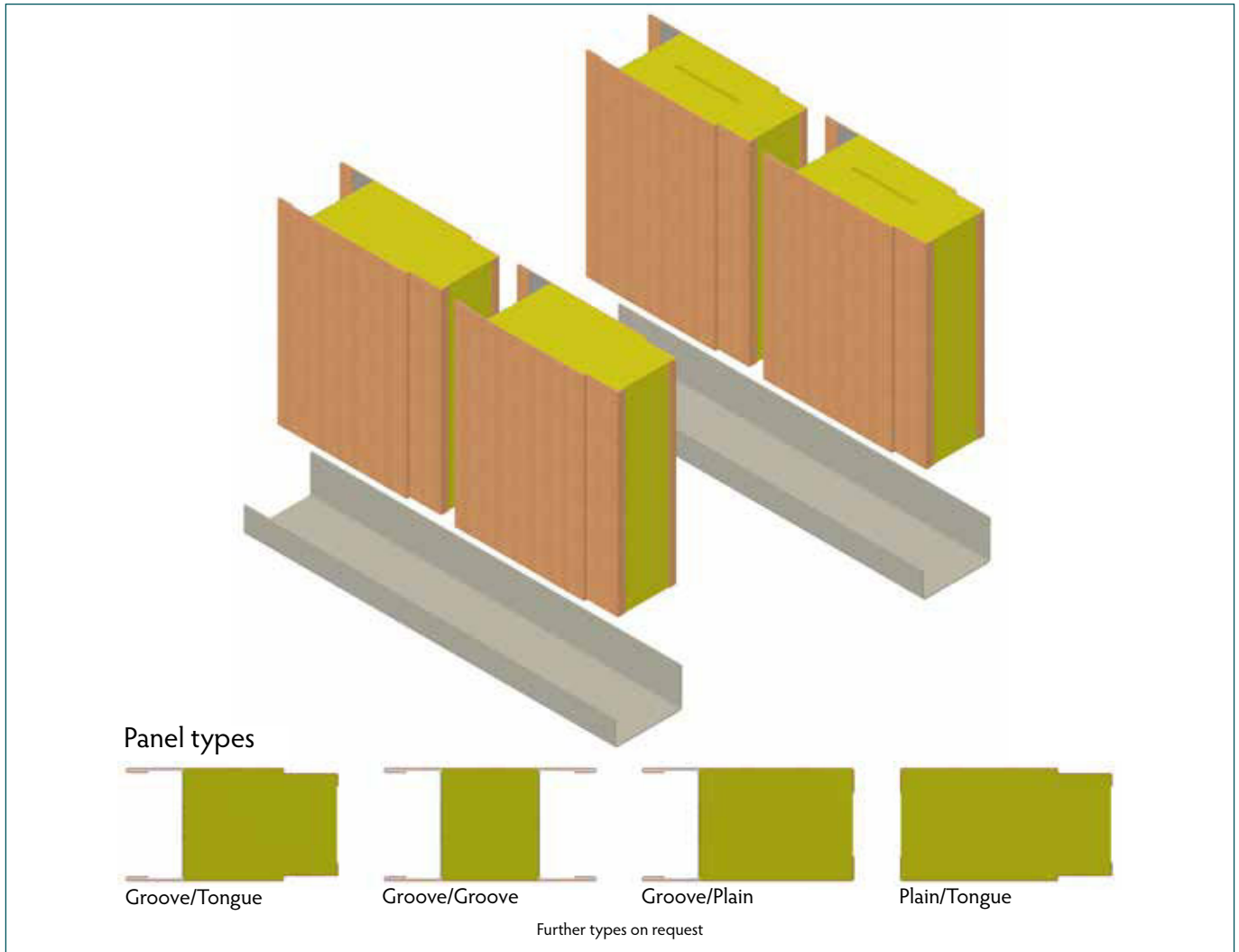


Technical data	W25P (light weight)
Covering layer (visible side)	Steel
Covering layer (back side)	Steel (perforated)
Fire classification	B-0 (single wall)
Sound reduction	
- single wall	30 dB
- 20 mm distance	30 dB / 50 dB*
- 30 mm distance	46 dB / 52 dB*
- 50 mm distance	48 dB / 54 dB*
Thickness	25 mm
Element width - Standard	550 mm
- Range	250 - 600 mm
Element height	up to 2,475 mm
Weight - Panel	12.2 kg/m <sup>2</sup>
- Cavity insulation (air gap)	+0.7 kg/m <sup>2</sup> (20 & 30 mm)
- Bottom profile	+1.2 kg/m <sup>2</sup> (50 mm)
Certified fixtures	Cable duct Reinforcements Backside cover Cable penetration
Coating	PVC foil varnish coated (others on request)
Certification	MED, USCG

\* without / with cavity insulation

## Partition panels

# Type W50 & AP5SN

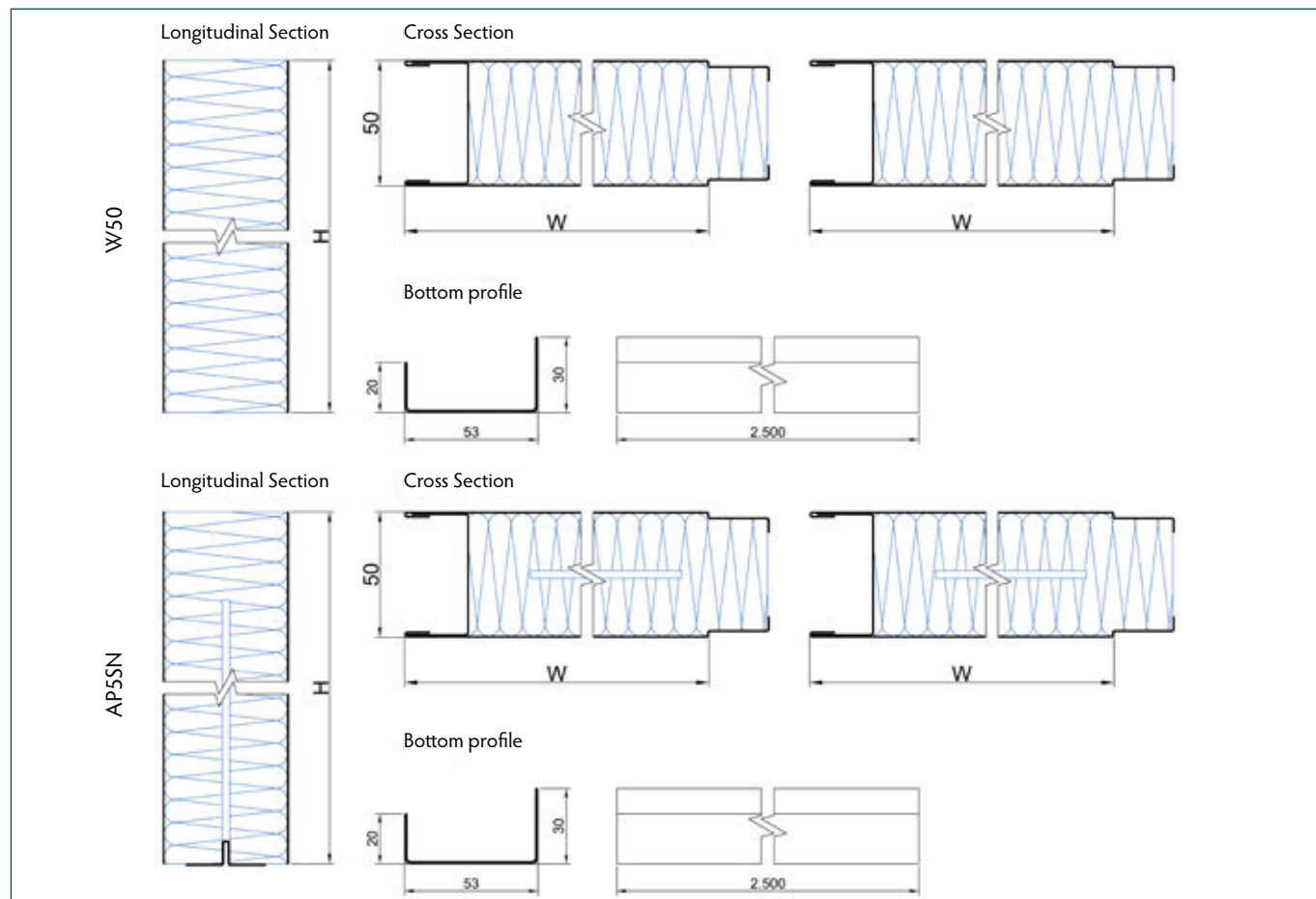


The W50 and AP5SN wall elements represent the standard system when it comes to the application of double-sided decorative partition panels. Depending on the customer specifications regarding sound reduction requirements different panel structures can be chosen. For all assembly situations, mutable connection types are available whereat as a standard the panel type with integrated tongue is being used.

A large variety of surface finishes are available, all of them fitted with a removable protection foil to prevent any damage from occurring during installation. The design of the W50 and AP5SN panel system and all components have been tested and approved according to international standards.

## Partition panels

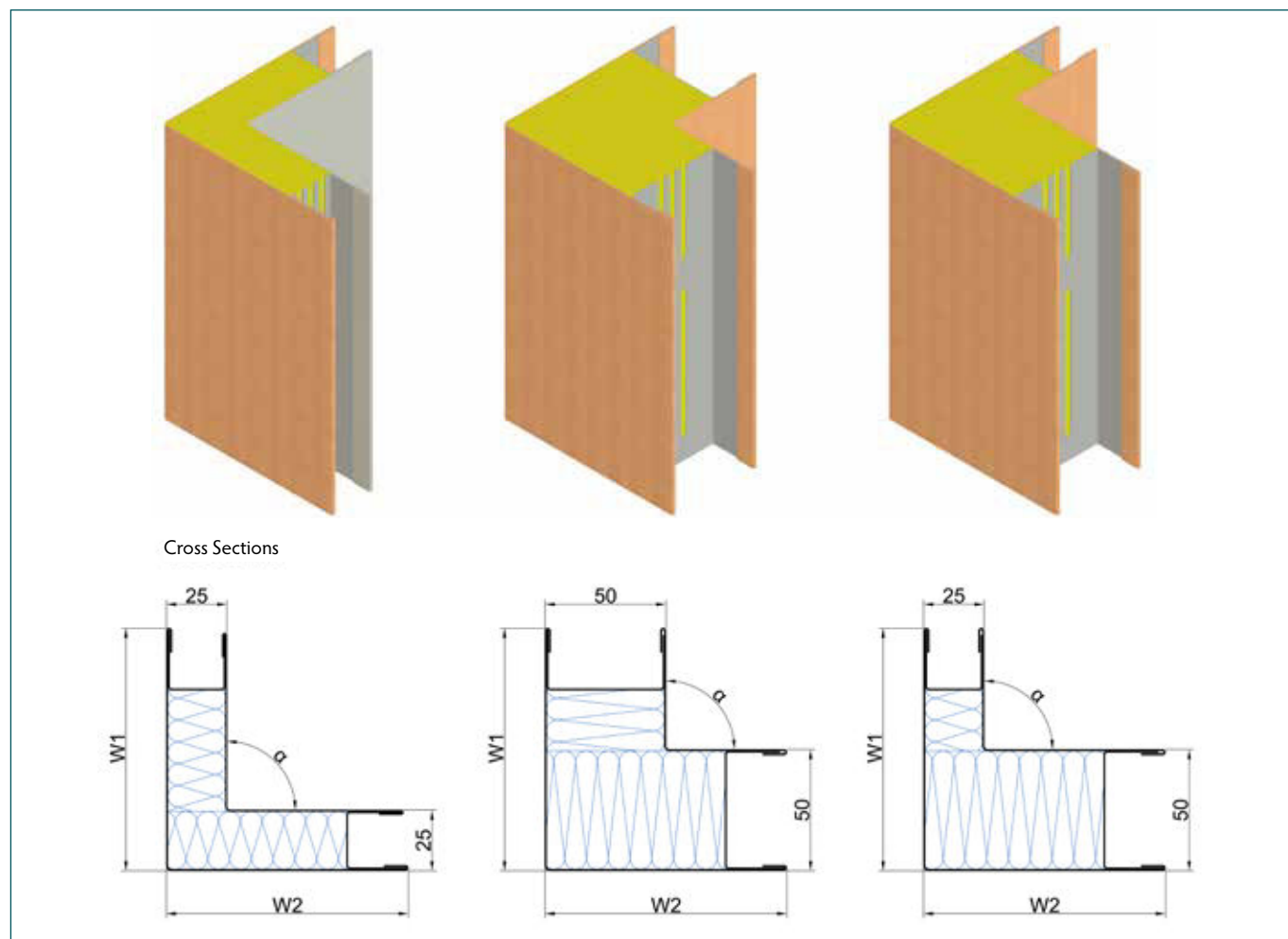
# Type W50 & AP5SN



Technical data	W50	AP5SN
Covering layer (visible side)	Steel	Steel
Covering layer (back side)	Steel	Steel
Fire classification	B-15	B-15
Sound reduction	28 dB	40 dB
Thickness	50 mm	50 mm
Element width - Standard	550 mm	550 mm
- Range	250 - 1,100 mm	250 - 600 mm
Element height	up to 2,500 mm	up to 2,500 mm
Weight - Panel	18.0 kg/m <sup>2</sup>	20.1 kg/m <sup>2</sup>
- Bottom profile	0.8 kg/m	0.8 kg/m
Coating	PVC foil varnish coated (others on request)	PVC foil varnish coated (others on request)
Certification	MED, USCG	MED, USCG

## Wall panel connections

### Corner elements

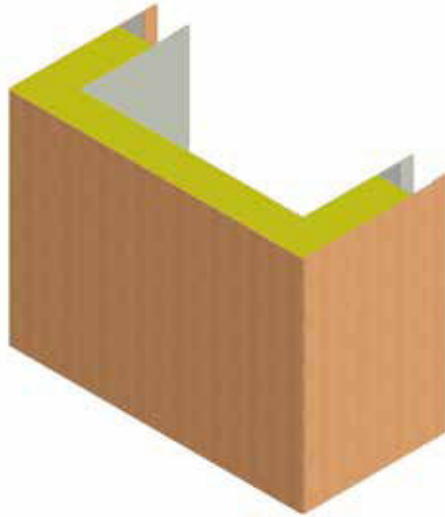


Technical data	W25CR	W50CR	W2550CR
Covering layer (visible side)	Steel or aluminum - according to adjacent wall panels		
Covering layer (back side)	Steel or aluminum - according to adjacent wall panels		
Thickness	25 mm	50 mm	25 / 50 mm
Element angle - Standard	90° - other angles according to customer specification		
Element width - Standard	150 x 150 mm - other sizes according to customer specification		
Element height	According to adjacent wall panels		
Weight - Steel / Steel*	9.1 kg	10.3 kg	9.9 kg
- Steel / Aluminum*	7.8 kg	---	---
- Aluminum / Aluminum*	5.7 kg	7.3 kg	6.8 kg
Bottom execution	Standard & Moist room		
Coating	PVC foil varnish coated (others on request)	PVC foil varnish coated (others on request)	PVC foil varnish coated (others on request)

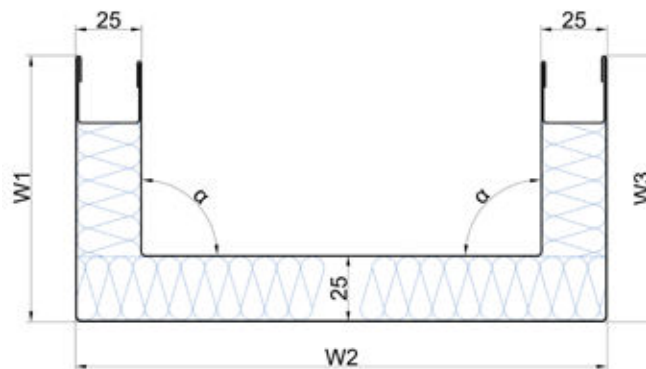
\* based upon standard dimensions (150 x 150 x 2,200 mm)

## Wall panel connections

### Pillar covering



Cross Section

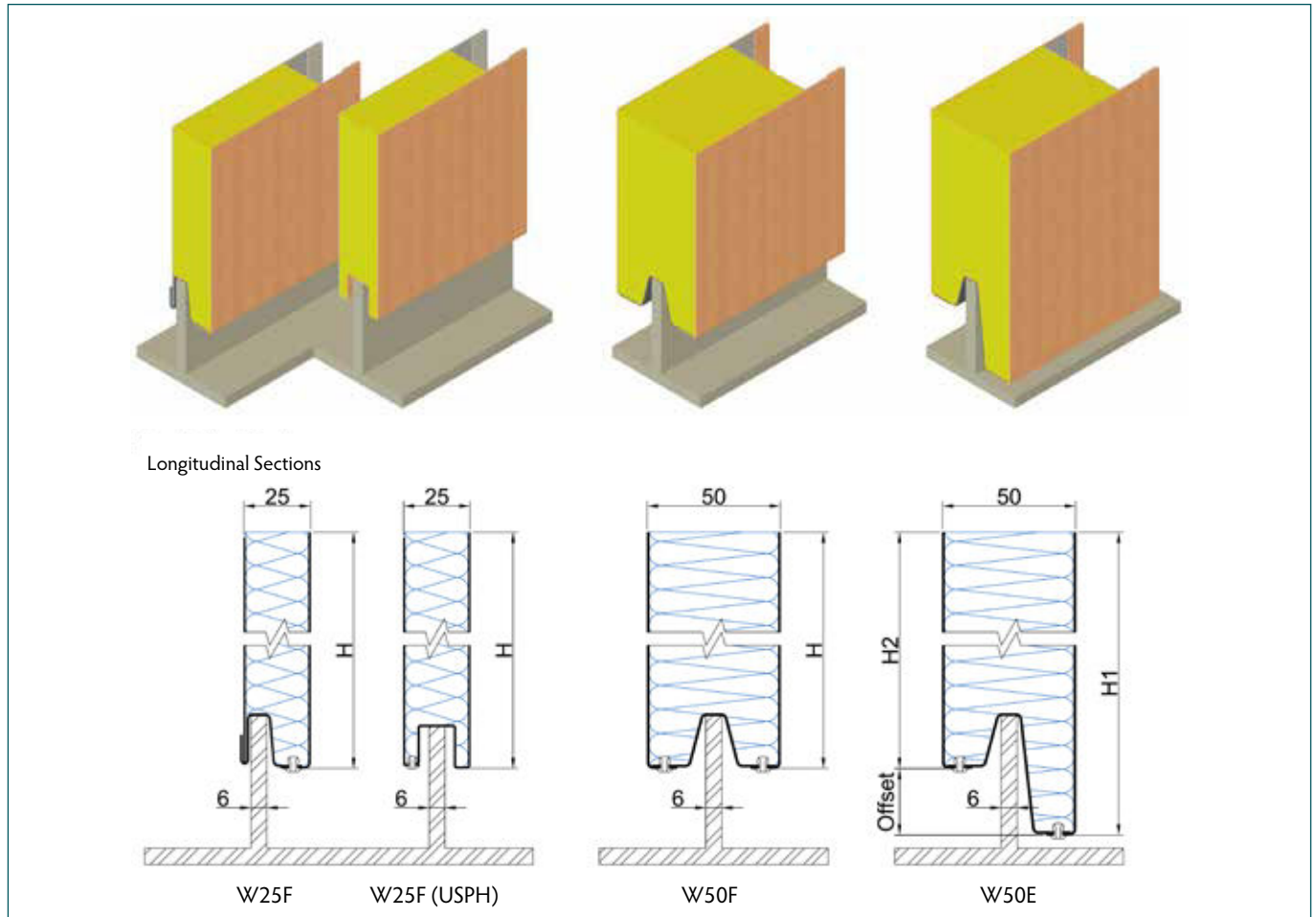


Technical data	W25CU
Covering layer (visible side)	Steel or aluminum - according to adjacent wall panels
Covering layer (back side)	Steel or aluminum - according to adjacent wall panels
Thickness	25 mm
Element angle	2 x 90°
Element width - Standard	150 x 200 x 150 mm - other sizes according to customer specification
Element height	According to adjacent wall panels
Weight - Steel / Steel*	12.2 kg
- Steel / Aluminum*	10.4 kg
- Aluminum / Aluminum*	7.2 kg
Coating	PVC foil varnish coated (others on request)

\* based upon standard dimensions (150 x 200 x 150 x 2,200 mm)

## Wall panel connections

### Moist room panels

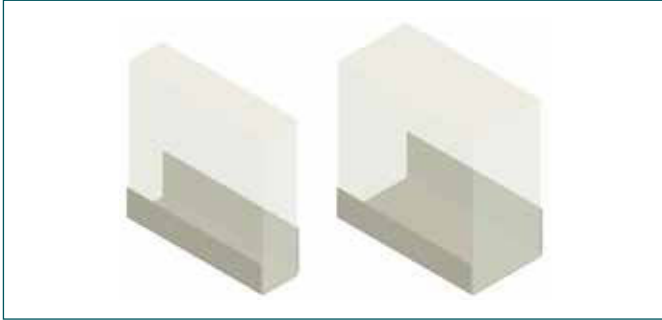


Technical data	W25F / W25F (USPH)	W50F	W50E
Covering layer (visible side)	Steel or aluminum - according to adjacent wall panels		
Covering layer (back side)	Steel or aluminum - according to adjacent wall panels		
Thickness	25 mm	50 mm	50 mm
Element width	550 mm	550 mm	550 mm
- Standard	250 - 1,200 mm	250 - 1,100 mm	250 - 1,100 mm
- Steel / Steel	250 - 650 mm	---	---
- Steel / Aluminum	250 - (not limited) mm	250 - (not limited) mm	250 - (not limited) mm
- Aluminum / Aluminum			
Element height	up to 2,475 mm	up to 2,500 mm	up to 2,500 mm
Weight - Steel / Steel	14.4 kg/m <sup>2</sup>	17.9 kg/m <sup>2</sup>	17.9 kg/m <sup>2</sup>
- Steel / Aluminum	11.7 kg/m <sup>2</sup>	---	---
- Aluminum / Aluminum	8.8 kg/m <sup>2</sup>	12.6 kg/m <sup>2</sup>	12.9 kg/m <sup>2</sup>
Moist room sill - Standard	6 mm	6 mm	6 mm
Coating	PVC foil varnish coated (others on request)	PVC foil varnish coated (others on request)	PVC foil varnish coated (others on request)

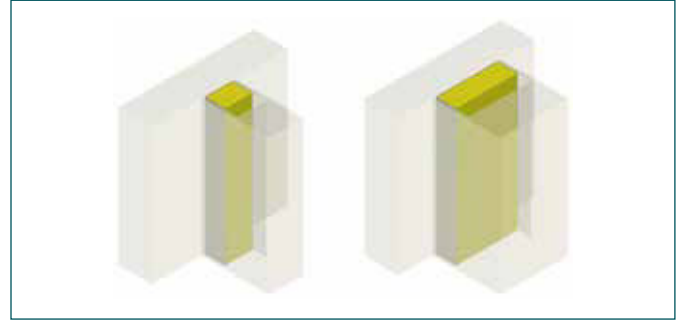


## Wall panel connections

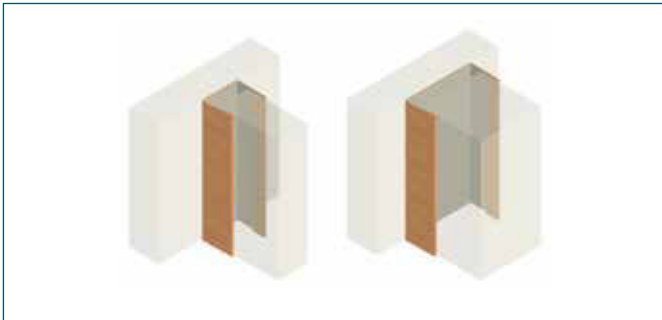
### Profiles & Intersections



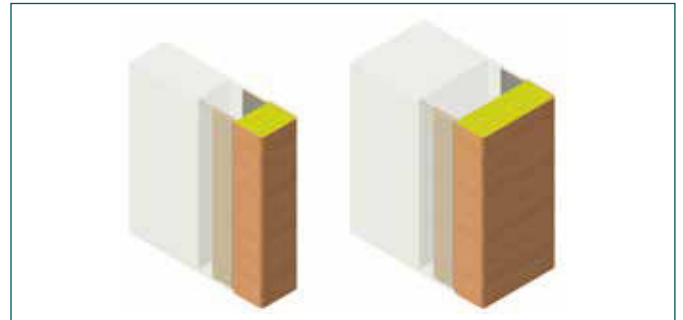
Technical data	Bottom profile 25 / 50
Material	Steel
Weight	0.6 / 0.8 kg/m
Length	2,500 mm (to be cut at site)



Technical data	Half tongue 25 / 50
Material	Steel
Weight	0.3 / 0.5 kg/m
Length	2,500 mm (to be cut at site)



Technical data	Tolerance profile 25 / 50
Material	Steel
Weight	0.5 / 0.7 kg/m
Length	according to wall height



Technical data	End fitting profile 25 / 50
Material	Steel
Weight	0.5 / 0.7 kg/m
Length	according to wall height



Technical data	Intersection profile 25 to 50
Material	Steel or aluminum
Weight	1.4 kg/m <sup>2</sup>
Length	according to wall height



Technical data	Horizontal joint profile 25
Material	Steel
Weight	1.2 kg/m
Length	2,500 mm (to be cut at site)