

FAAY Partitions

from core to top-quality

2



*Faay Vianen B.V.
specialist in partitions
and ceiling systems
for over 35 years.*

But not just a 'run-of the mill' supplier! We produce most of our partitions on the basis of flax waste, a by-product of the linen-, paper- and linseed oil production.

This provides them with exceptional building-physical features: shock-proof, fire-resistant and sound-proofing, thermally insulating, screw-proof and very easy to assemble.

Faay has a wall or ceiling system suitable for every imaginable situation. So it's no surprise that builders and architects feel at home with FAAY, whether it concerns a new build, renovations or utility architecture.

Besides these, the aesthetic qualities are also very high and the flexibility - because our systems can quite easily be disassembled - is unsurpassed.

The quality of FAAY walls and ceilings has been established in KOMO certificates 20196/09 (walls) and 20785/09 (ceilings) and is guaranteed by ISO Norm 9001.

In addition Faay complies with the requirements of the environmental management system (environmentally friendly operational management) determined in the ISO 14001 standard.

*The quickest partitions with any building-physical
quality you may wish*

Both the easiest and the quickest way

More and more architects and contractors discover the convenience of the sophisticated wall and ceiling systems from Faay. In no time any room is arranged according to your own views. Halls, rooms or bathrooms can be realised easily and quickly.

Within the program of products of FAAY four wall applications can be distinguished. Partitions, insulation walls, party walls and retention walls. In this brochure the partitions are the central theme.



Use in wet rooms.

For partitions as many as four types are at your disposal: The VP54, SP54, VP70 and the SP70, all with the same screw-holding capacity. The panel thickness of the two first-mentioned types is 54 millimetres. The VP70 and SP70 are 70 millimetres thick, have a higher degree of stiffness and can therefore well be used



*The sound-insulating separating wall
helps a good night's rest.*

for higher walls: These 3600mm high elements can be built up to a height of 4500mm. As the VP54 and VP70 have plaster cardboard as a surface plate, they are applied mostly for general use.

The walls can be treated without a problem with any current finish (such as FAAY Wall spraying, paint, ornamental plaster, tiles, wallpaper, glass fibre and common plaster). When desired Faay provides the panels with a vinyl, which is available in various designs, in the factory. A sample card will be sent to you on your request. Walls with vinyl and a special skirting-board profile bear the additional indication "de Luxe".

The partitions can be supplied from stock and can be placed quickly. This means a considerable saving on the assembly expenses. For that matter: this goes for all FAAY wall and ceiling systems.

Choose FAAY partitions for a distinct saving on assembly expenses.

Wall systems with a massive core for a very great durability

Thanks to the easy-to-handle panel-width of 40 centimetres (60 centimetres at request) FAAY partitions elements can be transported to any work location without special precautions. If desired, Faay sees to delivery at floor level up to 12 metres.

Simple assembly

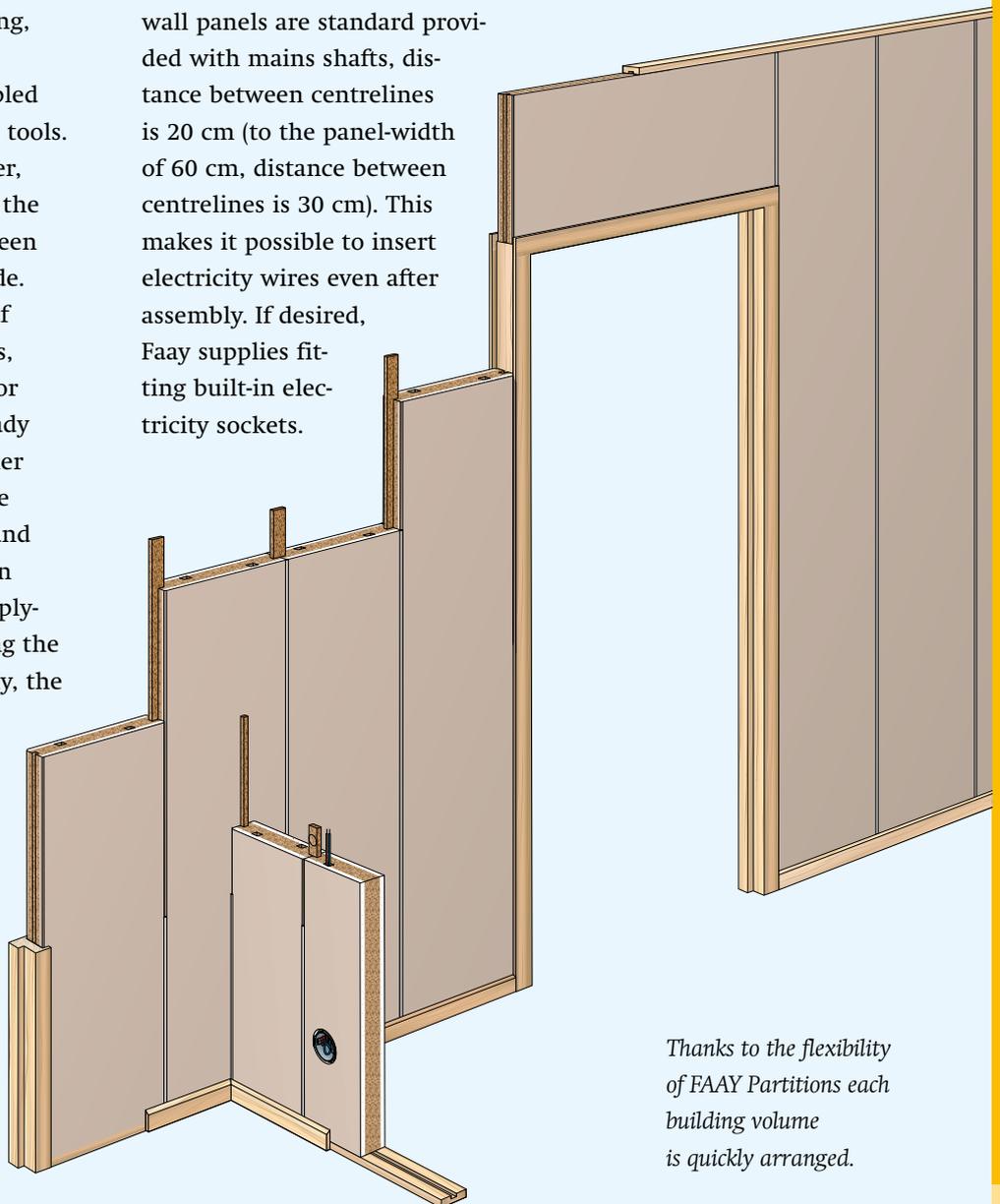
After an accurate measuring, first the special floor and ceiling profiles are assembled with the usual carpenter's tools. With a half wooden feather, which is mounted against the wall, the connection between wall panel and wall is made. When the profiles and half feathers are in their places, in fact most of the work for a robust FAAY wall is already done. The chipboard feather fixes the wall panels to the floor and ceiling profiles and provides a solid connection between the panels. By applying FAAYFIX® and following the gluing instruction carefully, the separate panels change into a massive wall surface.

The panels can be cut to size at the location. Because the assortment has as many as six standard sizes (ranging from 2400 to 3600 mm.) cutting waste can practically be neglected. FAAY wall panels

must be cut to size at the top, so that the assembly marks at the bottom remain intact.

Window frames can be integrated into a wall, fast and without cutting waste, by means of special frame panels. Irregularities in the floor are dealt with within the skirting-board area. The wall panels are standard provided with mains shafts, distance between centrelines is 20 cm (to the panel-width of 60 cm, distance between centrelines is 30 cm). This makes it possible to insert electricity wires even after assembly. If desired, Faay supplies fitting built-in electricity sockets.

The wall systems, which are available from stock, are characterized by a very high nail and screw-holding capacity. It is therefore unnecessary to make extra provisions for hanging heavy objects, such as heating or wash basins.

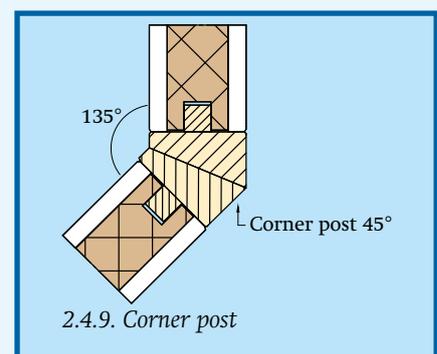
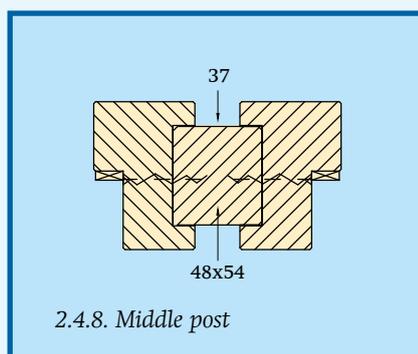
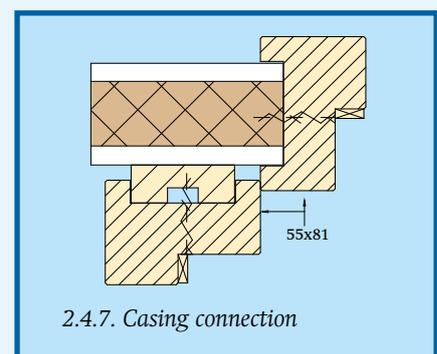
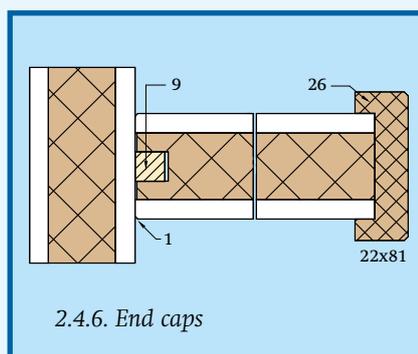
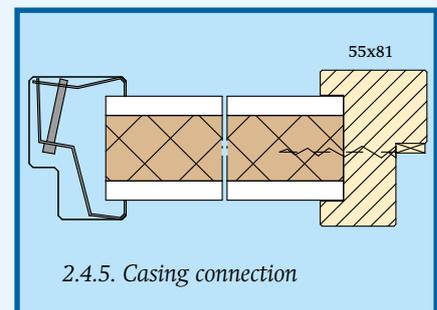
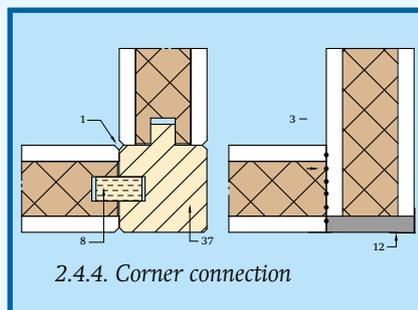
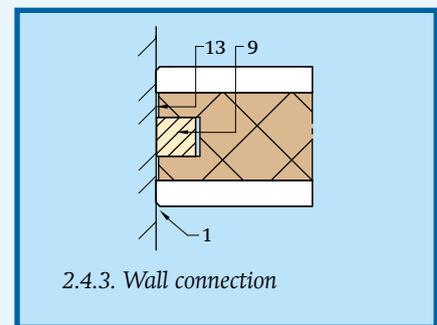
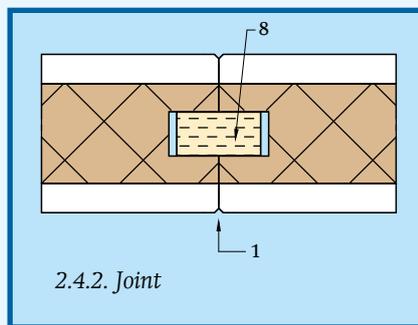
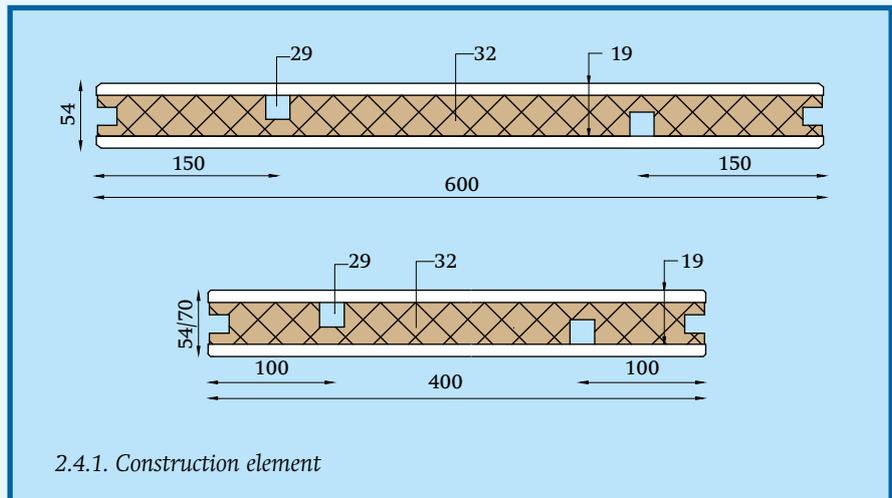


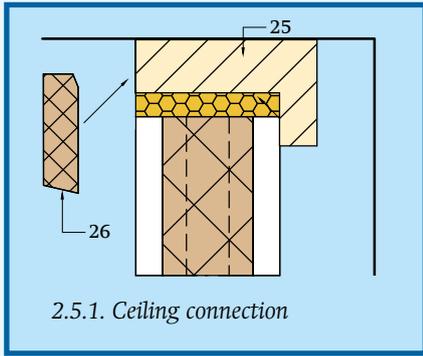
Thanks to the flexibility of FAAY Partitions each building volume is quickly arranged.

VP54

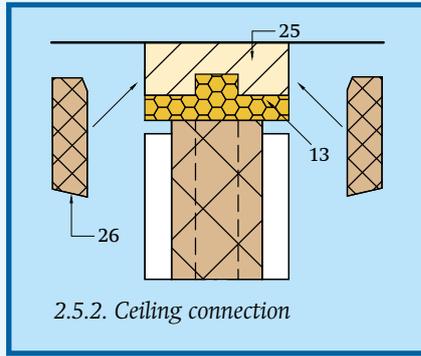
Detail coding

- 1 possibly glue with FAAYFIX® and fill and finish off with FAAY FILL & FINISH
- 2 wall socket
- 3 FAAYFIX® glue
- 4 foam band
- 5 vapour inhibitory layer
- 6 whitewood sole piece
- 7 mineral wool
- 8 chipboard tongue
- 9 half wooden tongue
- 10 watertight band
- 11 plastic U-section
- 12 corner bead
- 13 Pur foam/FAAYFOAM
- 14 edge lath
- 15 block
- 16 I-beam
- 17 T-section
- 18 nonius hanger
- 19 plaster board
- 20 water-repellent plasterboard
- 21 moist coating
- 22 tile glue (apply horizontally)
- 23 silicone paste
- 24 wall tile/floor tile
- 25 whitewood cavity closer
- 26 Meranti/ MDF boarding
- 27 mounting wedge
- 28 coconut felt
- 29 wire shaft
- 30 artificial fibre profile
- 31 front view
- 32 flax
- 33 cardboard
- 34 I-section
- 35 phenolic foam
- 36 mineral wool with glass fibre
- 37 post
- 38 PU kit
- 39 wire cavity
- 40 plywood
- 41 PVC top layer
- 42 ventilation
- 43 extruded polystyrene
- 44 clips
- 45 sound damping attachment
- 46 chipboard
- 47 HPL plate
- 48 cover profile
- 49 steel suspension bracket
- 50 steel edge profile
- 51 connecting rail

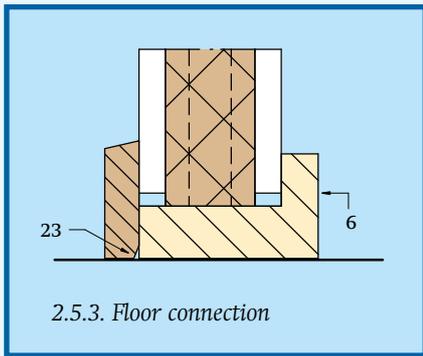




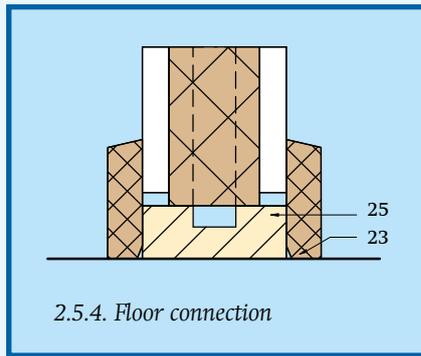
2.5.1. Ceiling connection



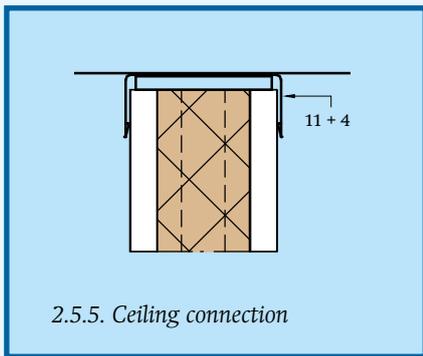
2.5.2. Ceiling connection



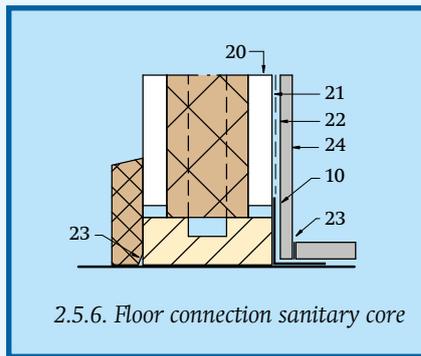
2.5.3. Floor connection



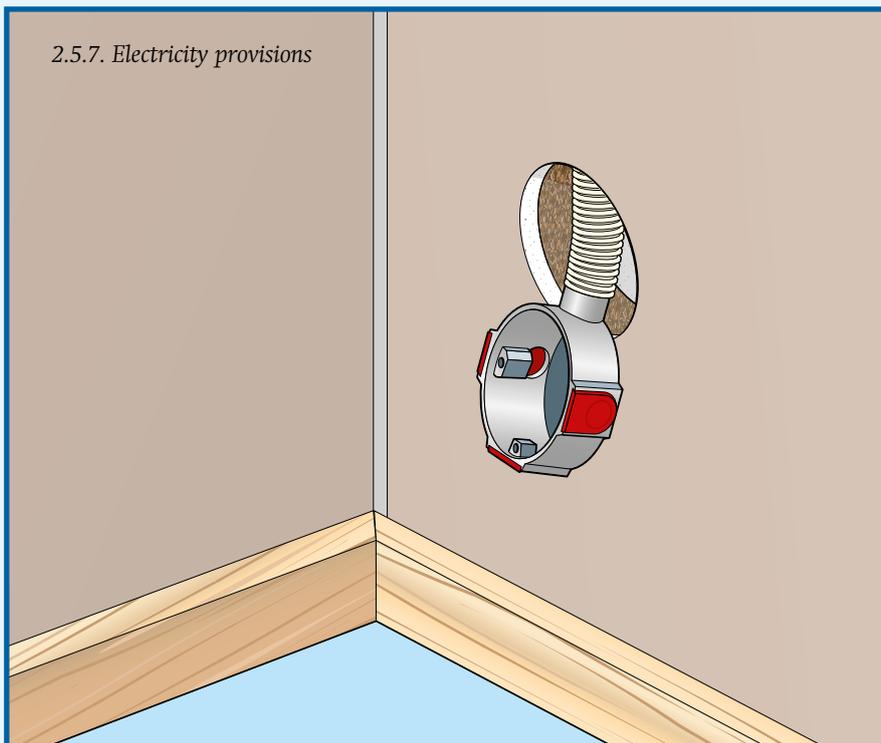
2.5.4. Floor connection



2.5.5. Ceiling connection



2.5.6. Floor connection sanitary core



2.5.7. Electricity provisions

Technical details VP54

Lengths
 2400, 2600, 2800 mm
 3000, 3200, 3600 mm

Width
 40 cm
 (60 cm at request)

Thickness
 54 mm

Weight
 28,12 kg/m²

Fire resistance
 45 min.
 (NEN 6069)

Insulation
 1,54 W/m²K

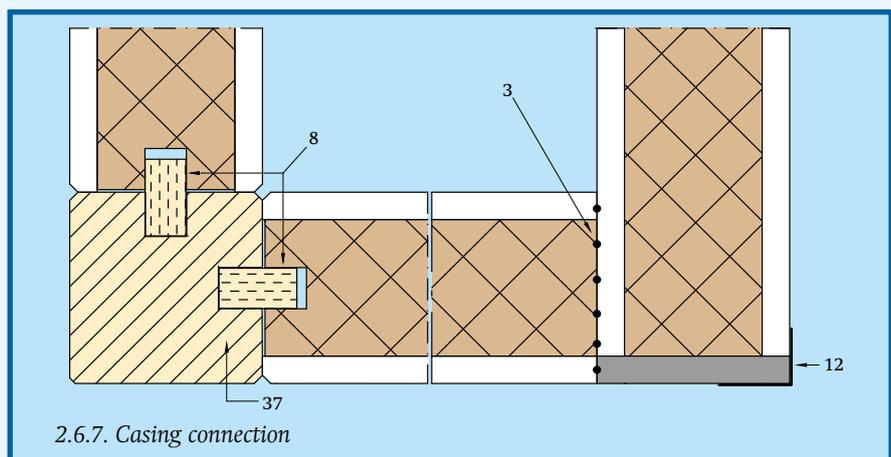
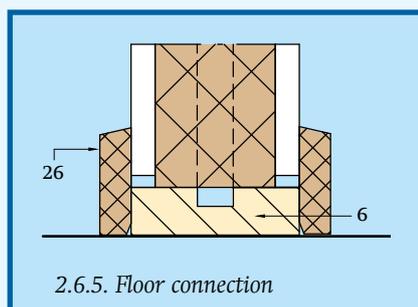
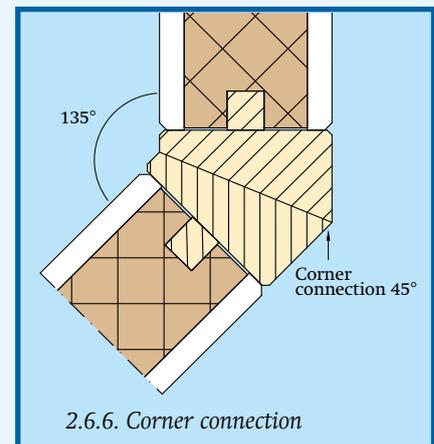
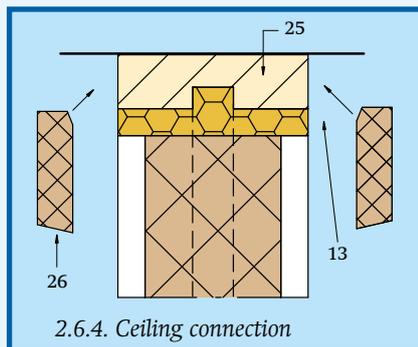
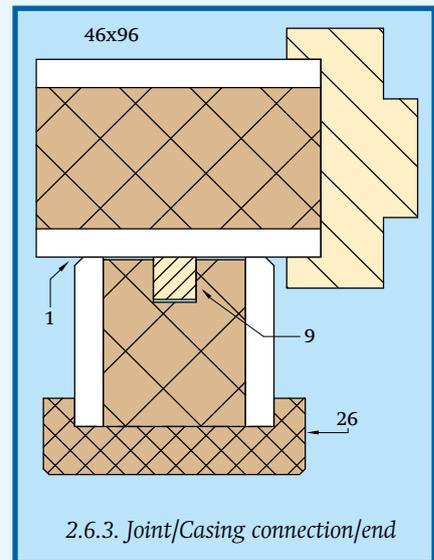
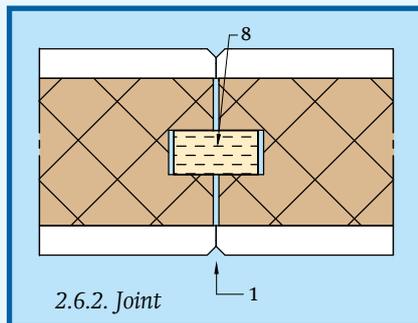
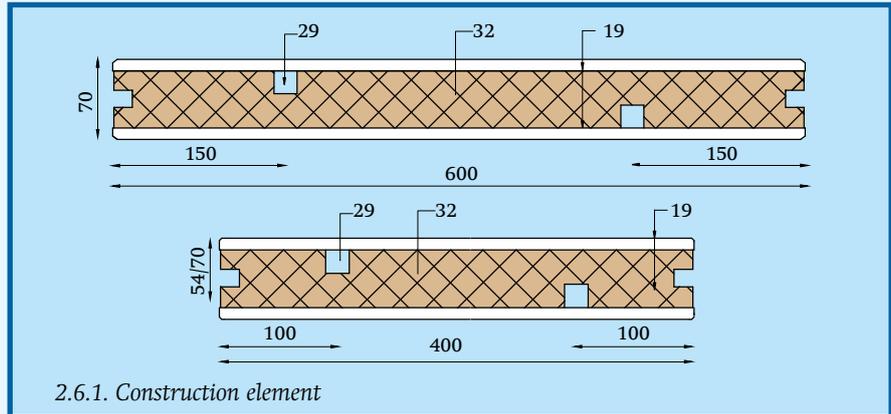
Sound Insulation
 I_{luk, lab} NEN 5079 -24 dB
 R_w 30 dB

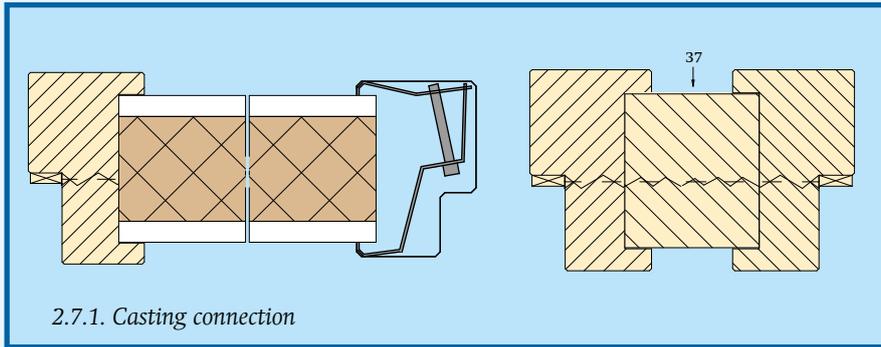
KOMO
 attestation with certificate
 20196/09

VP70

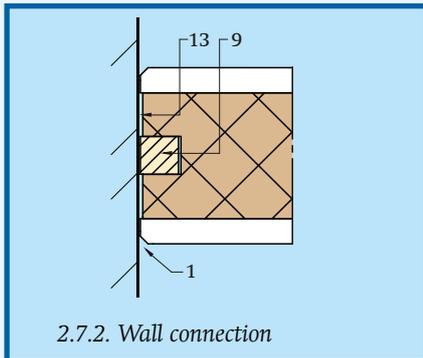
Detail coding

- 1 possibly glue with FAAYFIX® and fill and finish off with FAAY FILL & FINISH
- 2 wall socket
- 3 FAAYFIX® glue
- 4 foam band
- 5 vapour inhibitory layer
- 6 whitewood sole piece
- 7 mineral wool
- 8 chipboard tongue
- 9 half wooden tongue
- 10 watertight band
- 11 plastic U-section
- 12 corner bead
- 13 Pur foam/FAAYFOAM
- 14 edge lath
- 15 block
- 16 I-beam
- 17 T-section
- 18 nonius hanger
- 19 plaster board
- 20 water-repellent plasterboard
- 21 moist coating
- 22 tile glue (apply horizontally)
- 23 silicone paste
- 24 wall tile/floor tile
- 25 whitewood cavity closer
- 26 Meranti/ MDF boarding
- 27 mounting wedge
- 28 coconut felt
- 29 wire shaft
- 30 artificial fibre profile
- 31 front view
- 32 flax
- 33 cardboard
- 34 I-section
- 35 phenolic foam
- 36 mineral wool with glass fibre
- 37 post
- 38 PU kit
- 39 wire cavity
- 40 plywood
- 41 PVC top layer
- 42 ventilation
- 43 extruded polystyrene
- 44 clips
- 45 sound damping attachment
- 46 chipboard
- 47 HPL plate
- 48 cover profile
- 49 steel suspension bracket
- 50 steel edge profile
- 51 connecting rail

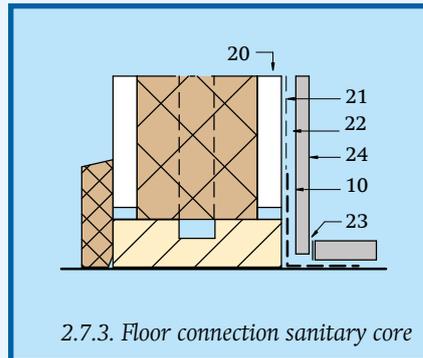




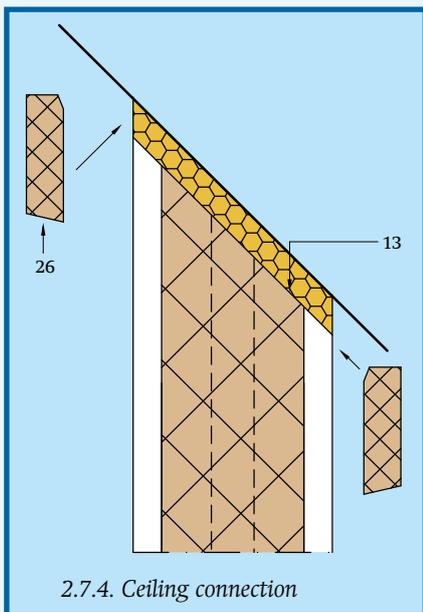
2.7.1. Casting connection



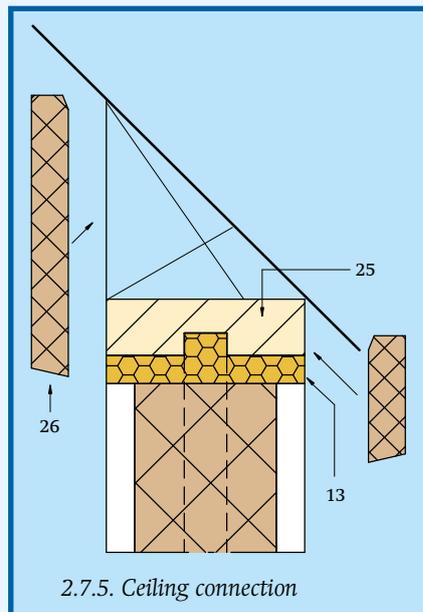
2.7.2. Wall connection



2.7.3. Floor connection sanitary core



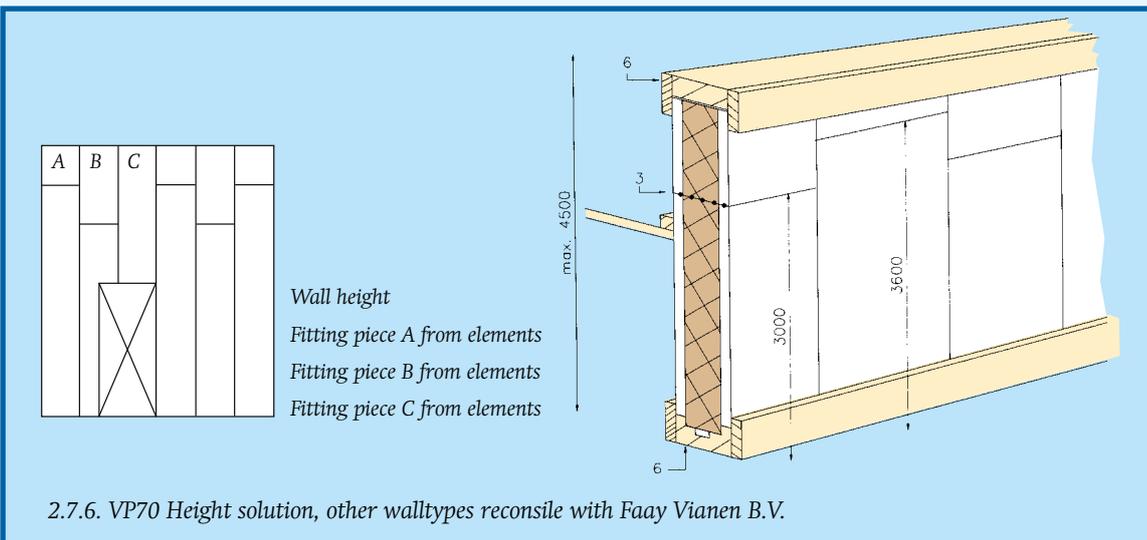
2.7.4. Ceiling connection



2.7.5. Ceiling connection

Technical details VP70

-  **Lengths**
2400, 2600, 2800 mm
3000, 3200, 3600 mm
-  **Width**
40 cm
(60 cm at request)
-  **Thickness**
70 mm
-  **Weight**
34,20 kg/m²
-  **Fire resistance**
45 min.
(NEN 6069)
-  **Insulation**
1,23 W/m²K
-  **Sound Insulation**
I<sub>luk, lab NEN 5079 -24 dB
R_w 29 dB</sub>
-  **KOMO**
attestation with certificate
20196/09



2.7.6. VP70 Height solution, other walltypes reconcile with Faay Vianen B.V.

A treat for the eye

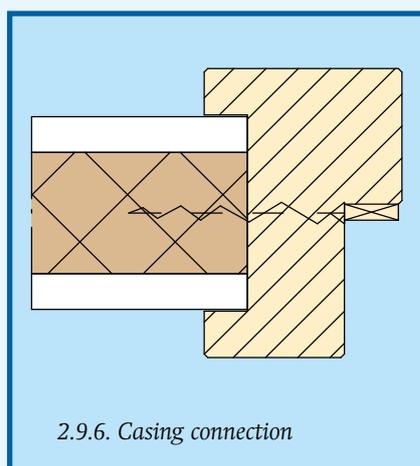
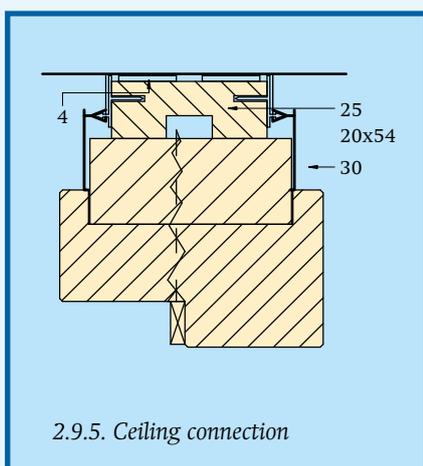
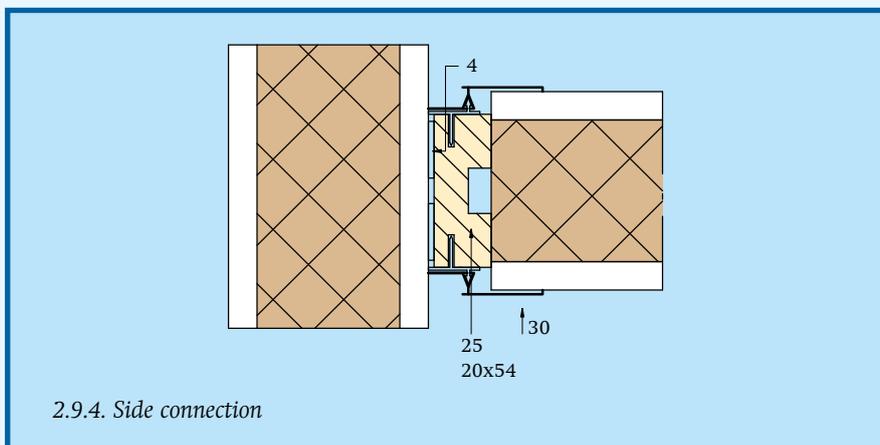
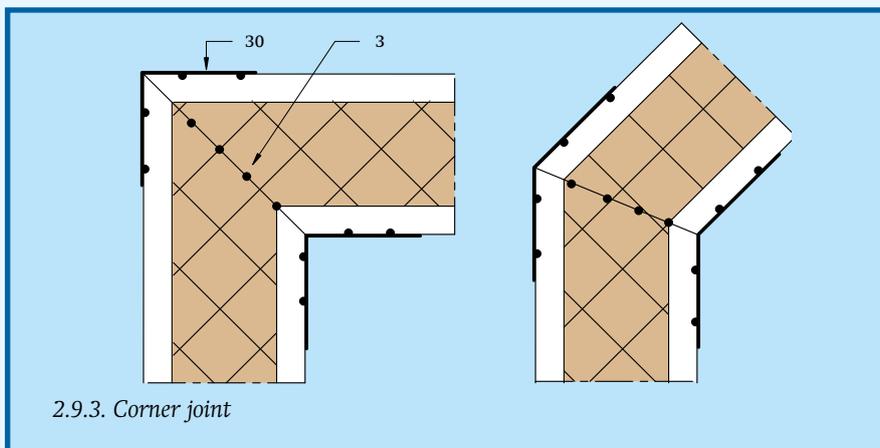
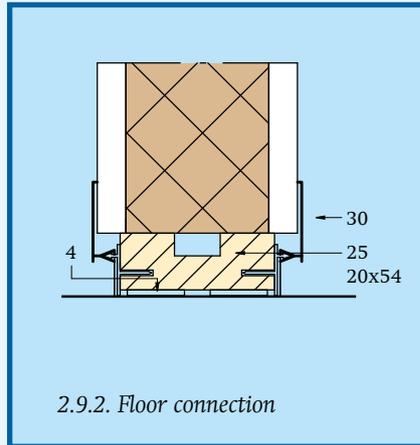
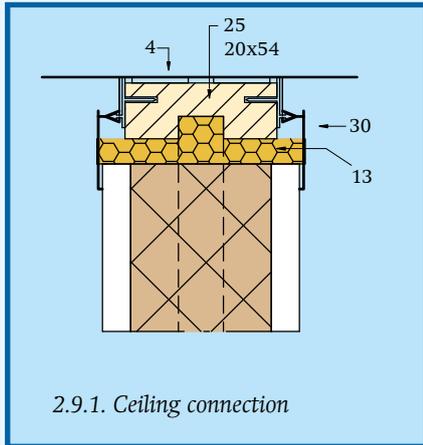
As indicated in the introductory text, the FAAY factory can provide the walls with a vinyl layer (on one or both sides)

This vinyl is available in various designs. The photographs below give you an impression of the results that can be

achieved with this “de Luxe” series. We shall be pleased to send you a sample at your request.



VP70 deluxe



Detail coding

- 1 possibly glue with FAAYFIX® and fill and finish off with FAAY FILL & FINISH
- 2 wall socket
- 3 FAAYFIX® glue
- 4 foam band
- 5 vapour inhibitory layer
- 6 whitewood sole piece
- 7 mineral wool
- 8 chipboard tongue
- 9 half wooden tongue
- 10 watertight band
- 11 plastic U-section
- 12 corner bead
- 13 Pur foam/FAAYFOAM
- 14 edge lath
- 15 block
- 16 I-beam
- 17 T-section
- 18 nonius hanger
- 19 plaster board
- 20 water-repellent plasterboard
- 21 moist coating
- 22 tile glue (apply horizontally)
- 23 silicone paste
- 24 wall tile/floor tile
- 25 whitewood cavity closer
- 26 Meranti/ MDF boarding
- 27 mounting wedge
- 28 coconut felt
- 29 wire shaft
- 30 artificial fibre profile
- 31 front view
- 32 flax
- 33 cardboard
- 34 I-section
- 35 phenolic foam
- 36 mineral wool with glass fibre
- 37 post
- 38 PU kit
- 39 wire cavity
- 40 plywood
- 41 PVC top layer
- 42 ventilation
- 43 extruded polystyrene
- 44 clips
- 45 sound damping attachment
- 46 chipboard
- 47 HPL plate
- 48 cover profile
- 49 steel suspension bracket
- 50 steel edge profile
- 51 connecting rail

VP54/VP70 blocks



Especially for places where the floor-high FAAY panels are hard or impossible to mount, the VP54/VP70-blocks are available. The blocks are 600 mm wide. The flax fibre core (VP54: 34 mm thick, VP70: 50 mm thick) is finished on both sides with 9.5 mm thick plasterboards. The blocks are only 1 m. high. Therefore a VP54/VP70 wall of blocks can be processed by one person! Moreover, the blocks can also be transported in smaller freight and delivery vans. The weight of the VP54/VP70 blocks is 16.9 and 20.5 kg each, respectively.

Both types of blocks have:

- horizontal tongue and plough on crosscut end for maximal stability
- bevelled edges at crosscut sides for 100% smooth finish
- stamp on bottom of each block for errorless stacking.

Even as stable

The VP54/VP70-blocks are stacked in half-brick bond. With this system, too, loose tongues, characteristic for the FAAY panel walls, provide the fixation of the wall between the assembly profiles on the floor and to the ceiling. Both the horizontal and the vertical seams are glued with FAAYFIX®. In this manner, a wall of VP54/VP70 blocks is just as stable as a wall that is made with floor-high VP54/VP70 panels. When only the horizontal seams are glued, the wall of blocks remains detachable. After the seams have been jointed, the wall is prepared for finishing (such as FAAY Wall spraying, paint, ornamental plaster, tiles, wallpaper, glass fibre and common plaster).

Technical details VP54/VP70 blocks



Lengths
1000 mm



Width
600 mm



Thickness
54/70 mm



Weight
VP54: 28,12 kg/m²
VP70: 34,20 kg/m²



Fire resistance
45 min.
(NEN 6069)



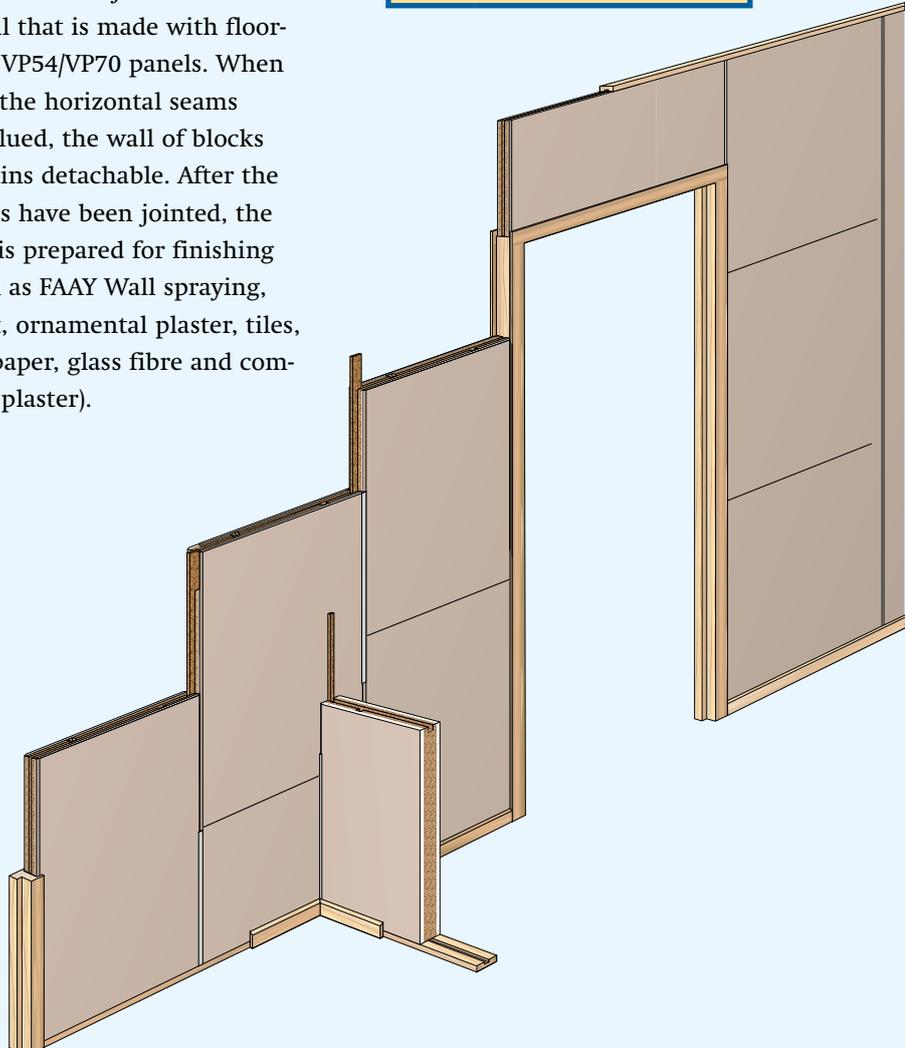
Insulation
1,54/1,23 W/m²K



Sound Insulation
fluk, lab NEN 5079 -24 dB
Rw 30/29 dB



KOMO
attestation with certificate
20196/09



The SP54 differs from other systems because the top layer consists of 5 mm chipboard. The top layer of the SP70 consists 10 mm chipboard. Both walls are finished with plastic foil

SP54/SP70 (with foil)

The SP wall has a high degree of impact resistance and is therefore used a lot in showrooms and retail premises.

The SP54/SP70 which has foil applied in the factory has the additional advantage of already being finished which contributes to faster completion. That is why these elements are used in warehouses and portacabins, etc. The plastic foil is supplied in white as a standard. Other (customer-specific) colours can be supplied upon request.



SP54 as showroom arrangement.



SP54 with foil application in warehouse.

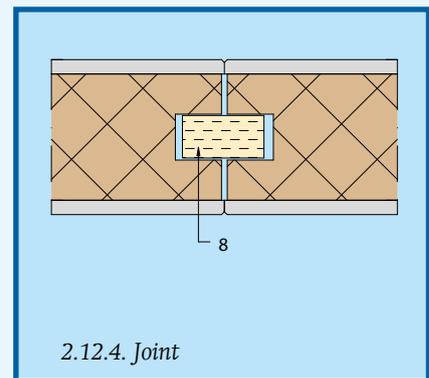
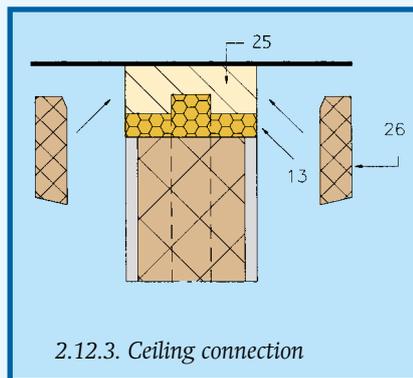
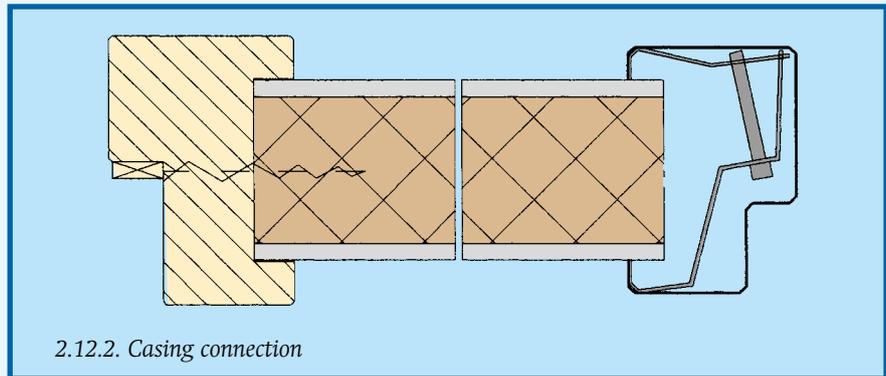
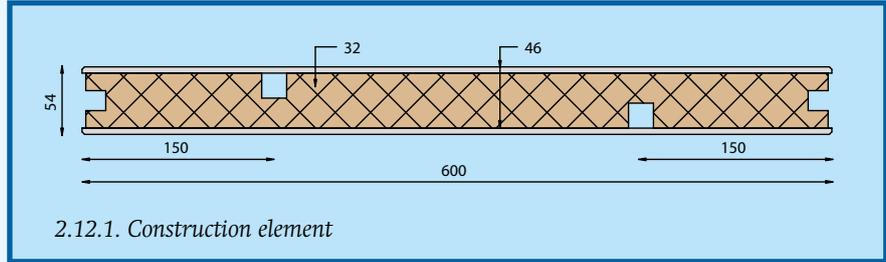


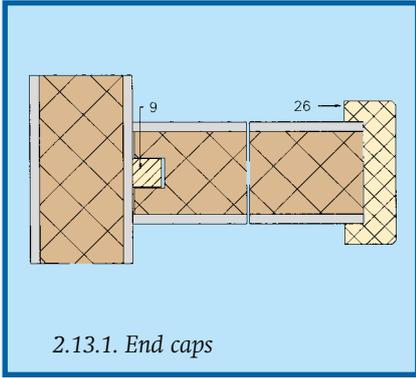
SP54 in temporary school building (portacabin).

SP54/SP70 (with foil)

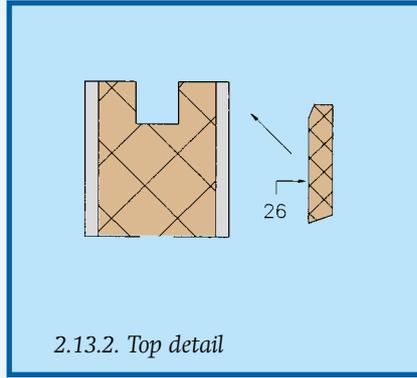
Detail coding

- 1 possibly glue with FAAYFIX® and fill and finish off with FAAY FILL & FINISH
- 2 wall socket
- 3 FAAYFIX® glue
- 4 foam band
- 5 vapour inhibitory layer
- 6 whitewood sole piece
- 7 mineral wool
- 8 chipboard tongue
- 9 half wooden tongue
- 10 watertight band
- 11 plastic U-section
- 12 corner bead
- 13 Pur foam/FAAYFOAM
- 14 edge lath
- 15 block
- 16 I-beam
- 17 T-section
- 18 nonius hanger
- 19 plaster board
- 20 water-repellent plasterboard
- 21 moist coating
- 22 tile glue (apply horizontally)
- 23 silicone paste
- 24 wall tile/floor tile
- 25 whitewood cavity closer
- 26 Meranti/ MDF boarding
- 27 mounting wedge
- 28 coconut felt
- 29 wire shaft
- 30 artificial fibre profile
- 31 front view
- 32 flax
- 33 cardboard
- 34 I-section
- 35 phenolic foam
- 36 mineral wool with glass fibre
- 37 post
- 38 PU kit
- 39 wire cavity
- 40 plywood
- 41 PVC top layer
- 42 ventilation
- 43 extruded polystyrene
- 44 clips
- 45 sound damping attachment
- 46 chipboard
- 47 HPL plate
- 48 cover profile
- 49 steel suspension bracket
- 50 steel edge profile
- 51 connecting rail

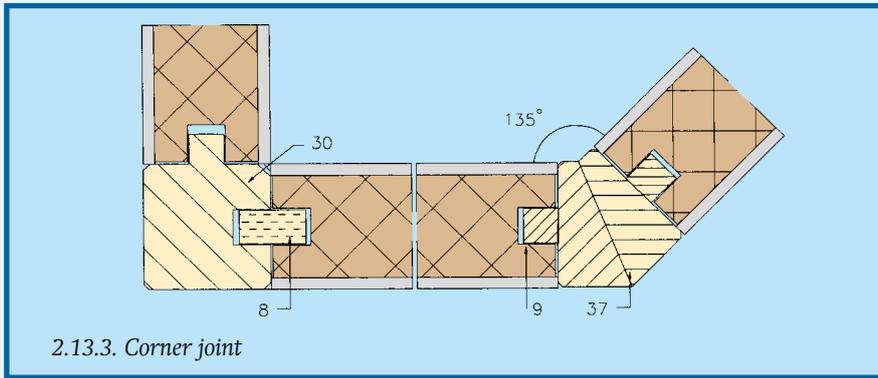




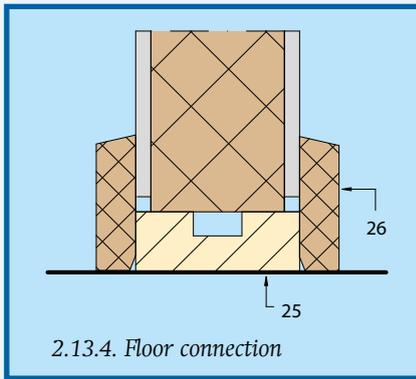
2.13.1. End caps



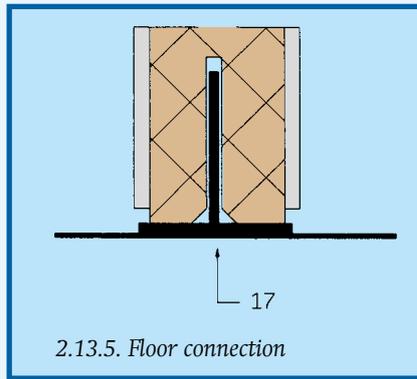
2.13.2. Top detail



2.13.3. Corner joint



2.13.4. Floor connection



2.13.5. Floor connection

Technical details SP54

Lengths
 2600 mm, 3000 mm
 3300 mm, 3600 mm

Thickness
 54 mm

Weight
 SP54: 23,82 kg/m²

Fire resistance
 ≤ 20 min.
 (NEN 6069)

Insulation
 1,38 W/m²K

Sound Insulation
 I_{luk} , lab NEN 5079 -28 dB
 R_w 27 dB

KOMO
 attestation with certificate
 20196/09

Technical details SP70

Lengths
 3600 mm
 (other lengths at request)

Thickness
 70 mm

Weight
 32,00 kg/m²

Fire resistance
 45 min.
 (NEN 6069)

Insulation
 1,20 W/m²K

Sound Insulation
 I_{luk} , lab NEN 5079 -24 dB
 R_w 29 dB

KOMO
 attestation with certificate
 20196/09

FAAY-KBL: Optimal freedom in wiring!

The KBL system, a wall with a space behind with constant accessibility, is one of the 'IFD products' from Faay. The wall stands on a metal profile with a removable skirting board in front. There is space in it for a plug system from Wieland or another brand. The removable skirting board ensures that the electrics in the wall are always accessible.



Fire-resistant

The KBL system has been developed further since its introduction; not only on a product-technical level but also aesthetically. The extreme high skirting-board has been replaced by a smaller model that additionally gives you the opportunity to choose whatever wall finish you want. From wallpaper to Granol, it's all possible with this skirting-board. The KBL system now has an extended metal profile which guarantees good fire and noise insulation.

Prefab

The FAAY KBL system is advantageous not only in the utilisation phase but links in with the trend of preparing as much as possible in the factory so that only installation is necessary on the building sites. Many houses are completed as

shells with only one connection point. The combination of the KBL system for horizontal wiring and the vertical cable ducts in the wall make it also possible to realise electrical and/or ICT provisions in ready-for-use situations anywhere on the wall. The construction period can be considerably reduced by choosing prefab building components. The building speed increases on the site by prefab construction. The failure costs, and therefore the ultimate labour costs as well, will decrease considerably.

Attractive skirting board can be finished off as required.

The FAAY KBL system consists of a hollow space at the bottom of each wall surface where access can be gained to the vertical cable ducts in the elements. There is also a horizontal space behind the removable skirting board so that free cables for 230 volt and data transport can be conducted through. The attractive, maximum 7 cm high MDF skirting-board is finished in foil or can be painted any colour. Furthermore the skirting-board has been further developed so that you now have unlimited choice in wall finishes. The skirting-board has two grooves on the bottom along the whole length for this purpose. You click the skirting-board in the first groove for a thin finish (such as wallpaper). If the wall finish is thicker (spackle, Granol etc.), you would choose the second groove so that the skirting-board is further from the wall. In this way the skirting-board always fits neatly no matter what the wall finish is.



Electricity provisions are always accessible

Thanks to the continuous metal profiles the cables can be laid horizontally in this gutter and can run uninterruptedly under the panels across the entire width of the wall. The system ensures enormous flexibility for the installations and can be used in offices, hospitals and schools, etc. and private individuals can also profit from the FAAY KBL system. Consider concealing coax cables and the wiring for speakers, telephones and the computer network. The combination of the KBL system for horizontal wiring and the vertical cable ducts in the wall make it also possible to realise electric and/or ICT provisions in ready for use situations anywhere on the wall. Definitely not a superfluous luxury in these times of changing communication and audio equipment!

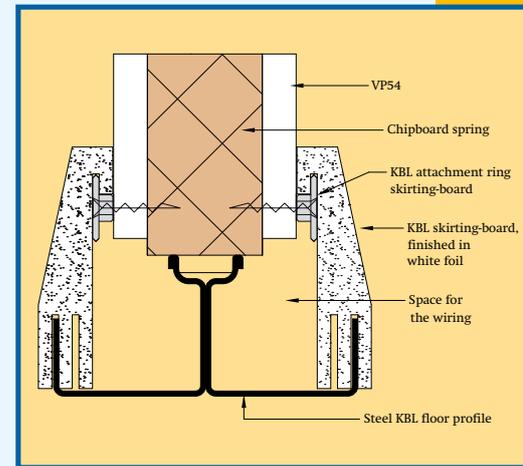
Advantages of FAAY KBL system

- Quick assembly
- Simple
- Freedom in wiring
- Removable
- Clever skirting board permits any wall finish, however thick or thin
- Exceptionally strong and screw-bearing
- Fire and noise resistant conforming to the Building Decree requirements

**KBL is also:
screw-bearing, fire and
noise resistant, flexible in
regard to arrangement**

Electricity and data cables can now be pulled through everywhere and on both sides of the wall with the renewed system. Moreover it is possible to apply the KBL system to the partition wall in one room (the bedroom for instance) and to tile the other side of the wall

(the bathroom for instance). The wall panels remain removable so that the interior of a building can be flexibly rearranged. Significantly all the properties that have always characterised the Faay wall systems have been kept in the KBL system. This means that the walls are screw-bearing, fire-resistant and noise resistant. The 40 cm wide and the 60 cm wide FAAY panels are available with the KBL system.



An extra plug point is made in a flash!

Along with top quality, simple and accurate assembly is of foremost importance for all Faay's wall and ceiling systems. This is also the case with the KBL system.



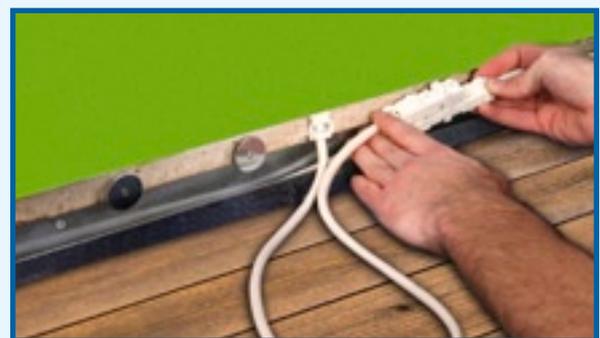
1. Remove the skirting-board.



2. Measure out where the vertical pipe duct is.



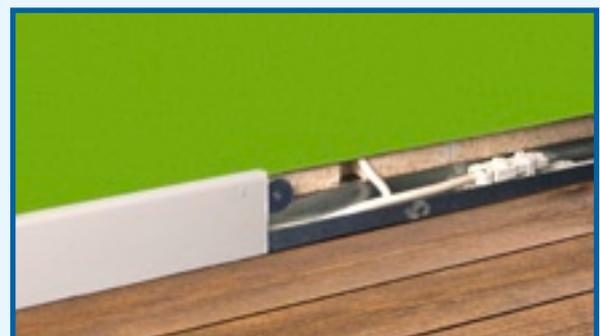
3. Drill a hole for the plug socket, install the wall socket.



4. Thread the wiring through to the cable channel under the wall.



5. Install the plug socket and connect the wiring.



6. Replace the skirting-board, finished!

Supply programme FAAY wall and ceiling systems

Technical details						
	Thickness	Weight	Fire resistance	Insulation	Sound Insulation <small>I_{uk}, lab NEN 5079</small> <small>R_w</small>	
VP54	54 mm	28,12 kg/m ²	45 min.	1,54 W/m ² K	-24 dB	30 dB
VP54 + 1x plaster	64 mm	36,12 kg/m ²	62 min.	1,47 W/m ² K	-18 dB	35 dB
VP54 + 2x plaster	73 mm	44,12 kg/m ²	>62 min.	1,38 W/m ² K	-17 dB	36 dB
SP54	54 mm	23,82 kg/m ²	≤20 min.	1,38 W/m ² K	-28 dB	27 dB
VP70	70 mm	34,20 kg/m ²	45 min.	1,23 W/m ² K	-24 dB	29 dB
SP70	70 mm	32,00 kg/m ²	45 min.	1,20 W/m ² K	-24 dB	29 dB
IW90	90 mm	36,80 kg/m ²	82 min.	0,68 W/m ² K	-6 dB	50 dB
IW100	100 mm	47,36 kg/m ²	75 min.	0,76 W/m ² K	-8 dB	45 dB
IW100 + 1x plaster	110 mm	55,36 kg/m ²	>90 min.	0,73 W/m ² K	-4 dB	49 dB
IW135	135 mm	51,36 kg/m ²	>75 min.	0,41 W/m ² K	+6 dB	49 dB
IW148	148 mm	58,24 kg/m ²	120 min.	0,47 W/m ² K	+3 dB	56 dB
IW200/54 (2x VP54)	200 mm	58,24 kg/m ²	>120 min.	0,44 W/m ² K	+6 dB	±59 dB
IW200/70 (2x VP70)	200 mm	70,40 kg/m ²	>120 min.	0,38 W/m ² K	+6 dB	±59 dB
GP22	22 mm	15,40 kg/m ²	>30 min.	2,77 W/m ² K ^{a)}	Improvement ca. 10-20 dB	
VP35	35 mm	23,18 kg/m ²	45 min.	2,13 W/m ² K ^{a)}	Improvement ca. 10-20 dB	
PG60	60 mm	9,10 kg/m ²	≤20 min.	0,35 W/m ² K ^{b)}	Improvement ca. 5 dB	
PG70	70 mm	9,40 kg/m ²	≤20 min.	0,31 W/m ² K ^{b)}	Improvement ca. 5 dB	
GP22 VO ceiling	22 mm	18,00 kg/m ²	>75 min. ^{c)}	0,45 W/m ² K ^{e)}	+3 dB ^{c)}	55 dB ^{c)}
FR19 VO ceiling	19 mm	8,00 kg/m ²	>70 min. ^{c)}	0,44 W/m ² K ^{e)}	+3 dB ^{d)}	55 dB ^{d)}

Formaldehyde: class E1

All our tests have been carried out in accordance with the **Dutch NEN standards**.

Table date: October 2009

Declaration Table:

- a) inclusive 40 mm insulation and one-brick wall
- b) inclusive 20 mm air cavity and one-brick wall
- c) inclusive mineral wool under wooden floor
- d) inclusive mineral wool under stony floor
- e) inclusive 65 mm mineral wool

Extensive showroom

In our showroom all the systems and products are arranged in many variations. Each type of wall and ceiling is presented in a surveyable manner. You are quite welcome, also together with your client.

Modern AV-room

In the spacious audio-visual presentation room all the technical aids are available to give advanced presentations in any form.

Useful workshops

Faay regularly organizes workshops where the tricks of the assembly trade are taught to you. Still more gain of time and ease of assembly are the result. The maximum number of participants per workshop is 10 persons, so that everybody can be trained personally.

Documentation

Besides the brochure about FAAY Partitions there is documentation available about:

- Wall and ceiling systems in general
- KBL-system
- Retention walls
- W'all-in-One®
- Insulation walls & party walls
- Ceilings systems
- Frames
- Building Schools for the Future
- Prefab cavity barrier
- FAAY FILL & FINISH
- FAAYFIX® assembly glue
- FAAYFOAM® adhesive foam
- Assembly instruction
- Wall spraying.

This documentation will be sent to you at your request or can be downloaded from our website.

