



FAAY Wall and ceiling systems

from core to top quality

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*Faay Vianen B.V.,
specialist in partition
walls and ceiling systems
for already 4 decades.*

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.

In addition, our quality policy complies with the ISO 9001:2008 standards; and our environmental management system with the ISO 14001 standard. Both our quality policy as well as our environmental management system apply to the production and sale of partition walls and ceiling systems.



*The wall and ceiling elements from Faay Vianen B.V.
are based on renewable raw materials.*

Favoured by architect and contractor

More and more architects and contractors discover the convenience of the sophisticated wall and ceiling systems from FAAY. In no time every room is arranged according to your own wishes. Halls, rooms or bathrooms can be realised simply and quickly. The walls can immediately be treated with any finish (e.g. FAAY wall spraying, paint, stucco, tiles, and decorative plasterwork). If desired, the panels are provided with a vinyl layer, which is available in various designs, in the factory (a sample card will be sent to you upon request). It is also possible to have the panels provided with a glass fibre to enhance the flexibility, in the factory.



*The walls can be placed with simple
carpenter's tools.*

All FAAY wall and ceiling systems are deliverable from stock and can be placed quickly. This means a considerable saving on your mounting expenses.



At the info centre the architect and contractor can be "educated".

In the development of the unique partition and ceiling systems the notion of “mounting speed” has been an important point of departure.

A speedy wall system with solid results

Thanks to the convenient panel width of 40 and 60 centimetres, the FAAY partition elements can be easily transported to any work location without taking special precautions. If desired, Faay sees to delivery at floor level up to 12 metres.

Easy assembly

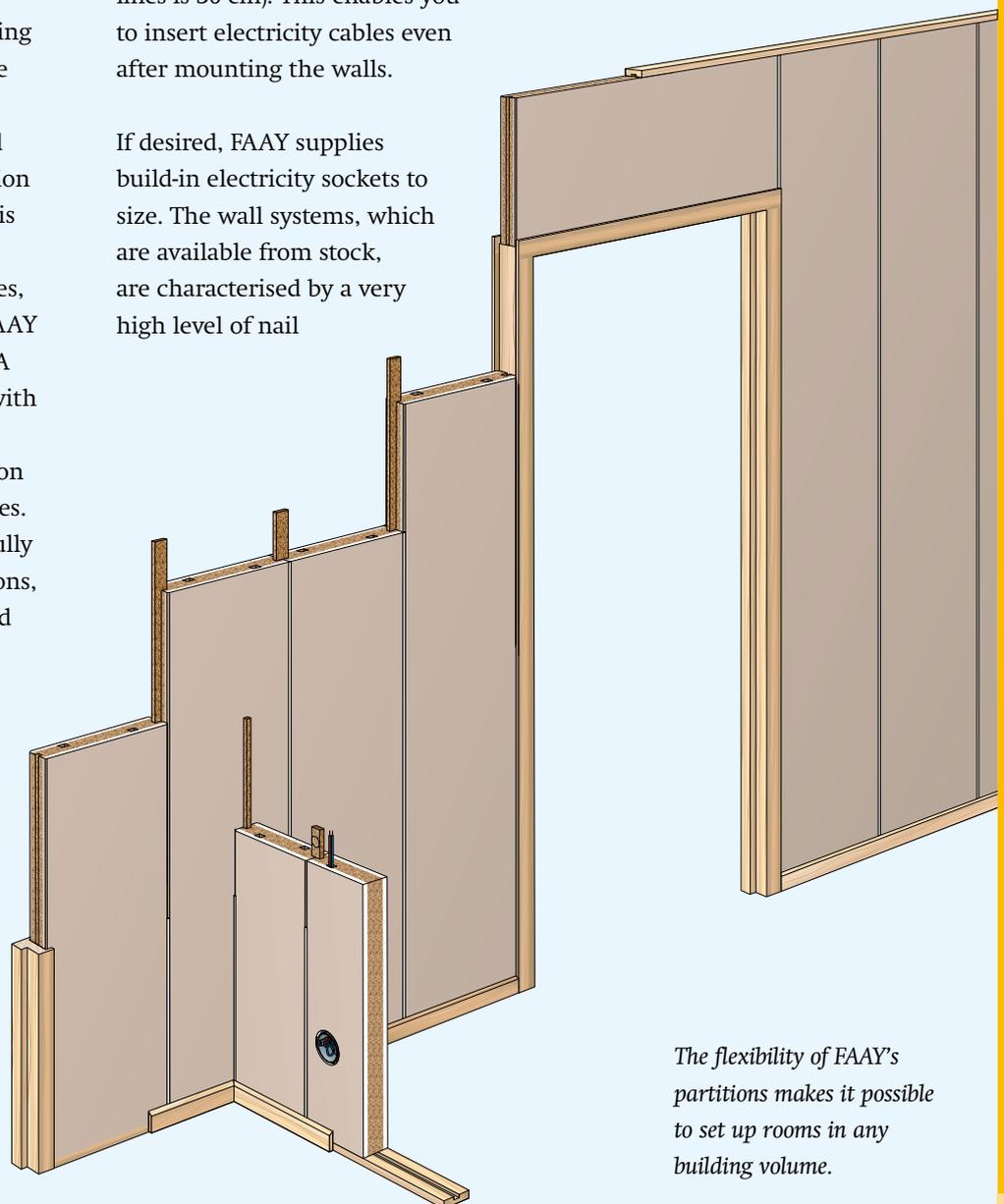
After an accurate measuring, first the special floor and ceiling profiles are mounted with the usual carpenter’s tools. With a half tongue that it mounted against the wall, the connection between wall panel and wall is made. When the profiles and half tongues are in their places, most of the work for a solid FAAY wall has actually been done. A tongue fixes the wall panels with the floor and ceiling profiles and provides a solid connection between the panels themselves. By using FAAYFIX® and carefully following the gluing instructions, the separate panels are turned into a massive wall surface.

The panels can be sawed to size at the location. As the assortment has as many as six standard sizes (from 2400 to 3600 millimetres) sawing loss can almost be ignored. FAAY wall panels must be sawed to size at the top, so that the mounting marks at the bottom remain intact.

Frames can be integrated into a wall quickly and without sawing loss, using special frame panels. Irregularities in the floor are dealt with within the skirting-board area. The wall panels are standard provided with main shafts, distance between centre lines is 20 cm (to the panel-width of 60 cm, distance between centre lines is 30 cm). This enables you to insert electricity cables even after mounting the walls.

If desired, FAAY supplies build-in electricity sockets to size. The wall systems, which are available from stock, are characterised by a very high level of nail

and screw-bearing capacity. Applying additional provisions for mounting heavy elements, such as heating provisions or wash basins are therefore superfluous.



The flexibility of FAAY’s partitions makes it possible to set up rooms in any building volume.

FAAY wall and ceiling systems are well suited for applications in new building and renovation of both houses and offices. Distinctive are the high degree of soundproofing, the high fire resistance and the fast processing.

Important advantages united in one wall

One doesn't choose for a FAAY wall system just like that. Years of experience in producing complete system walls guarantee flexibility and inventiveness. Within the FAAY product range four wall applications can be distinguished: partitions, insulation walls, party walls and retention walls.

to 4.5 metres high. The SP element is a floor-to-ceiling partition wall consisting of a core of flax shavings with thin chipboard on either side. This type of wall is often used in showrooms and for shop fitting. The surface of the VP element is plasterboard; the VP54 and the VP70 are therefore chosen the most for general use.

sound insulation and stability. Except for houses it can be applied in offices, hospitals, schools, laboratories, etc. The IW100 is a nail and screw-bearing wall, which makes special provisions for hanging heavy objects (washbasins, etc) superfluous. For a good stability the IW100 elements are linked to each other with steel I-sections, too. For rooms with free heights up to approximately 6.5 to 7 m and where high demands are made to sound insulation, there is the IW135 wall.

Walls with foil

All FAAY panels can be finished with foil. A wall finished in foil gives more resistance to impact. That is why these elements are used in warehouses and portacabins, etc. The foil is standardly supplied in white. Other (customer-specific) colours can be supplied upon request.

Retention walls

Besides the nail and screw-bearing type of wall VP35, which has been around for years, FAAY offers the type GP22 as an alternative for situations where one must save on space or weight. Both wall types are very suitable for renovation projects, and projects where the sound insulation of existing (wall) constructions must be improved. To improve the thermal

Insulation walls

You can choose between the IW90 and IW100 walls, which can also be supplied with a vinyl finish. Thanks to the soundproofing qualities, these walls are a good solution for offices, etc. The construction of the IW90 is rather light and simple. As the wall elements are mounted and mutually linked with steel I-sections, a good stability is guaranteed. However, for hanging objects of more than 25 kg on this type of wall the application of special provisions is required. The IW100 (100 millimetres thick) is an excellent application for all rooms where high demands are made to

Thanks to the good sound-proofing, vandalism resistance and fast mounting, applicable in schools.

Partitions

For partitions four types are at your disposal: the VP54, SP54, SP70 and VP70 walls, all with the same screw bearing capacity. As to construction the four systems resemble one another much. The panel of the VP54 and SP54 are 54 millimetres thick, the SP70 and VP70 are 70 millimetres thick. This gives the VP70 a higher degree of stiffness, which makes it suitable to use for a higher wall; the max. 3600 mm high elements can be stacked up



Application in bathrooms.



FAAY partitions applied in management office; high insulation value.

insulation on the inside of a building, Faay has the W'all-in-One retention wall (PG50, PG60, PG70, PG90 and the self-supporting variant) available to improve the thermal insulation on the inside of a building.

Party walls

In the category of party walls, FAAY has the types IW148 and IW200 available. Both offer an ideal solution for building situations where a high level of sound insulation is a prerequisite. Much-used applications include renovation projects, hotels, splitting up houses, Apartment rooms, offices, hospitals, laboratories etc. Thanks to the slight thicknesses of 148 and 200 mm, FAAY party walls are not only sound damping, but also space saving. The difference between IW148 and IW200 walls lies primarily in the stability caused by differences in storey height, rigidity and fire resistance.

Treatments

Faay has established very precise treatment conditions for treating walls, which can be requested from Faay. Of course, you can also come to Faay for good advice or for further information about sound insulation and fire resistance, where we will be happy to help you.

Finishing touch

Walls can be treated with any finish (such as paint, wallpaper, glass fleece, decorative plasterwork, tiles, stucco and FAAY wall spraying). Faay has a broad range of programmes and accessories to make a wall stand out in any interior. Various types of skirting can be selected. Frames are also available in various types, materials and designs.

Costs saving

Insulation walls and party walls are labour efficient due to the speed of construction. This is the

result of simple assembly details. FAAY panels are two-sided plates, a cavity filling and fittings all rolled into one. This translates into considerable savings during assembly. This also applies to all other FAAY wall and ceiling systems.



IW148 used in a hotel.

FAAY is synonymous with 'a well thought-out product'. So it is logical that this same thorough thinking can be found in FAAY ceiling systems!

The ease of FAAY ceilings

The flexibility and the advantages that are so characteristic of our wall systems, are also applicable to the patented FAAY ceiling system. The total structure guarantees excellent fire-resistance and sound-insulating qualities!

The assembly, with 10 cm high I-sections, counteracts bending of the ceiling elements, up to a free span width of as much as 4.2 metres, including mineral wool! Without mineral wool, a free span width of over 6 metres is even possible (FR19 VO). And of course, the FAAY ceiling system

can also be mounted in larger spans. With vibration damping brackets and coupling plates you can span any desired number of meters.

For the FR19 VO system, ceiling elements are supplied with fixed dimensions of 60 x 120 cm. Thanks to the special grooves, FR panels are easily removable, lightweight and are completely finished off.

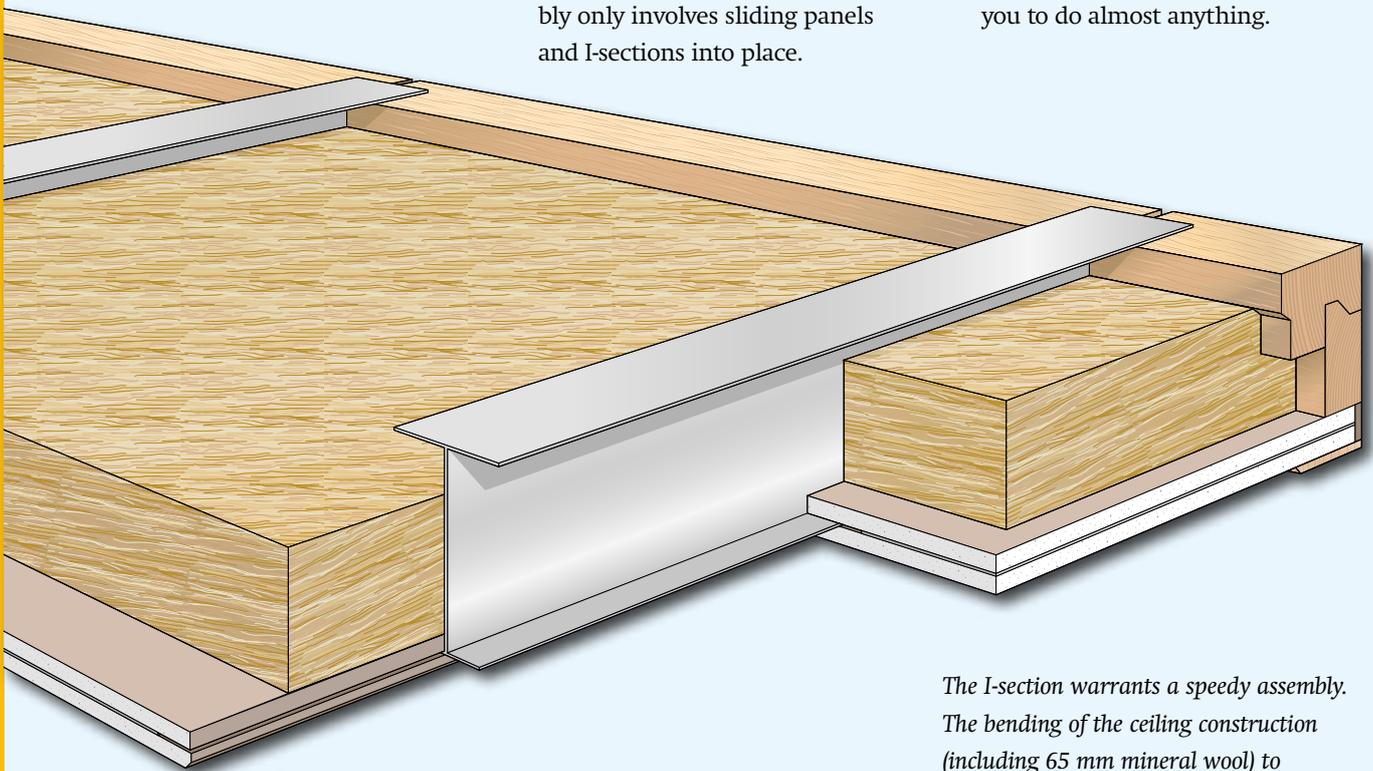
Easy assembly

Thanks to the FAAY fixing system, assembly takes place in no time at all. Simple, ingenious and labour efficient! Once the special side planks have been applied, assembly only involves sliding panels and I-sections into place.



Concealed detachable FR19VO ceiling.

To realise improved noise and fire resistance, you can add any insulation material your like. This really is a ceiling system which allows you to do almost anything.



The I-section warrants a speedy assembly. The bending of the ceiling construction (including 65 mm mineral wool) to 4.2 metres free span width remains within the set standards.

Other product advantages

Flexible system

One advantage of the FAAY system is that wall and ceiling elements are easy to disassemble. It is even possible to use walls and ceilings elsewhere, even after many years of use. Flexibility does not get any better! This is why a number of large retail outlets have dedicated their showrooms to FAAY walls and ceilings.

Excellent qualities

FAAY wall and ceiling systems comply with all requirements established by the Building Degree. Properties in the field of noise and fire resistance can be regarded as excellent. In cases where the Building Degree prescribes an $I_{c,w}$ of +5 dB for party-wall solutions, a FAAY ceiling is able to offer an $I_{c,w}$ of +12 dB! Thermal insulation is also so effective that FAAY wall and ceiling systems can be implemented in Sustainable Building. For the specific properties per system, we refer you to the table on the reverse side.

Other products

Because 'assembly speed' has always been the underlying principle of all our wall and ceiling systems, these systems are accompanied by various accessories and finishing products. Faay allows you to install a complete system!

Good Advice

You can count on various forms of professional advice from Faay Vianen B.V. A good example of this is the opportunity to have your plans specified by our calculation department, where materials are selected and a pre-calculation is made. This offers you a complete list of materials, which is specified per component and which contains recommended retail prices. If necessary, these specifications can be supported by technical drawings. Our Rayon Manager is available to jointly discuss the drawings with you. Personal attention is something which Faay Vianen B.V. values dearly.



Application in showrooms.



Delivery at floor level.

Supply programme FAAY

wall and ceiling systems

Technical details						
	Thickness	Weight	Fire resistance	Insulation U-value	Insk. lab NEN 5079	Rw
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	≤20 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
PG90	90 mm	10,00 kg/m ²	<20 min.	0,25 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: February 2011

Declaration Table:

- a) inclusive 40 mm insulation and one-brick wall
- b) system construction incl. 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 Wall and ceiling systems there is documentation available about:

- Partitions
- 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.

