



Library Myong Ji, Seoul

Pilkington **Profilit™**



PILKINGTON
NSG Group Flat Glass Business



Natural lighting and ventilation

Parc Relais de la Soie, Vaulx-en-Velin (F)

The construction of the new multi-storey car park was subject to special urban development and functional requirements that were intended to have a major impact on characterising the overall design of the object concerned. As such, specific demands were placed on the office and commercial centre located in the north-east of Lyon in terms of the architecture of what are purely functional structures - the multi-storey car park was supposed to blend in architecturally and visually with the planned, surrounding objects constituting the immediate environment and make a positive contribution to the image of the new district of the city by way of its specific design statement.

Natural lighting and ventilation via the envelope of the building, energy savings due to the reduced usage of artificial light and the creation of safe, secure and functional commercial area were the focus of the planning behind Parc Relais de la Soie. All the key requirements were met by using Pilkington **Profilit™** profiled glass, gap-fitted in a single layer, which both optimises the penetration of daylight as well as supporting the permanent ventilation and exhausting of the seven-storey car park with its 470 parking spaces.

Builder:
SYTRAL, Lyon (F)

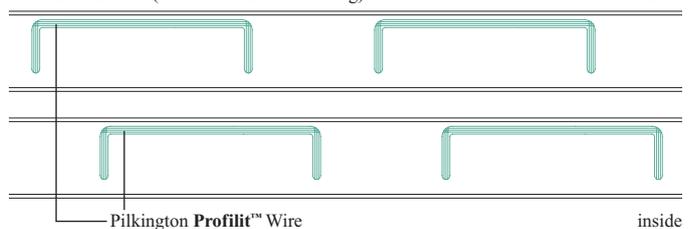
Architect:
Clément Vergély architectes,
Lyon (F)

Pilkington Profilit™ glazing:
approx. 3,000 m² Pilkington
Profilit™ K25/60/7 Wire,
single-glazed installed with gap-
fitted glass panels for natural
ventilation purposes

Photographer:
Studio Erick Saillel

Vertical gap-fitted installation

Horizontal section (corner area of the building)



Naturally lit and ventilated:
vertically gap-fitted Pilkington
Profilit™ profile structural
glass characterises the
design and function of the
multi-storey car park.



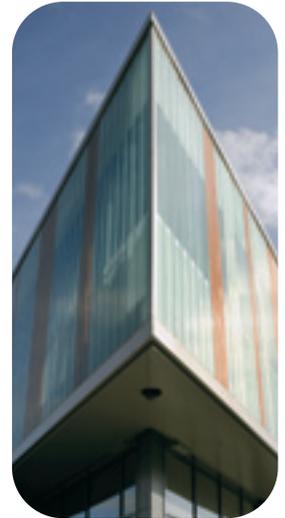
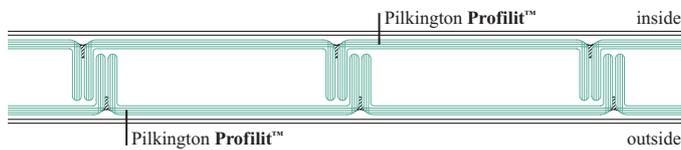
Learning with light

Suffolk New College, Ipswich (GB)

The new college building is the first major object to be built in the new educational district under development to the East of the city centre of Ipswich. The architecture of the building is intended to reflect in design terms the new philosophy of the college which is encapsulated in the four characteristics lively, creative, clear and contemporary. The aim of the architects was to express the characteristics concerned in general but specifically via the north façade as this is the part of the building with a visual link to the city centre.

The architects developed the public north façade aligned to the Rope Walk specially into a stylistically dominant, architectural element. The overhanging nature of the central area of the building view on a level with the 1st floor was additionally emphasised with an outer shell comprising Pilkington **Profilit**™ fitted as a double layer. The partial use of sand-blasted, red and orange coloured Pilkington **Profilit**™ provided additional variation and colour accentuation.

Vertical double-glazed installation
Horizontal section



Architect:
Sheppard Robson

Pilkington Profilit™ glazing:
approx. 2,300 m² Pilkington **Profilit**™ K25/60/7 Clear, partially with longitudinal wire insert, with “Plus 1.7”- coating, thermally toughened, sand-blasted or coloured, double-glazed installed

Photographer:
Warren Page

Learning with light
in the 21st century:
the projecting nature of the 1st
floor part of the building with its
striking overhanging design is
given further visual emphasis by
the use of Pilkington **Profilit**™.



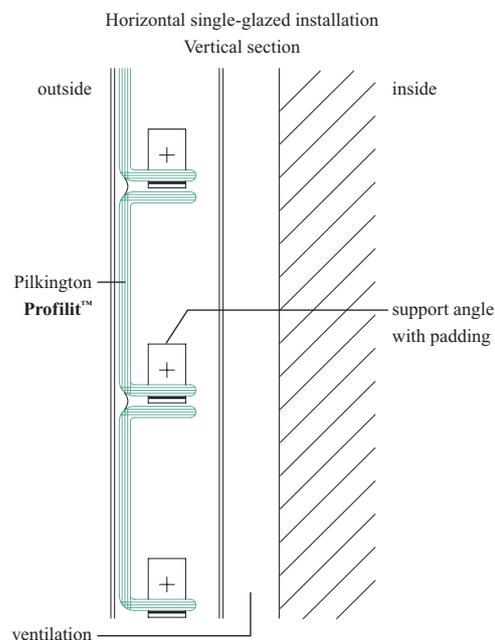
Based on the principle of folding

Development Centre

Philip Morris Products SA, Neuchâtel (CH)

The extended, compact body of the production centre on the banks of Lake Neuenburg houses several of the company's workshops under one roof on four levels. In terms of form, structure and use of building materials, the architects put the concept of design stabilisation via folding into rigorous practice. The principle concerned, which was selected for all of the building's structures, finds its most authentic expression in the U-shape of Pilkington **Profilit**[™] profiled glass, which rigorously characterises the entire shell of the building, too.

As such, the entire façade of the object consists of Pilkington **Profilit**[™] profiled glass installed single-glazed and, in this case, arranged horizontally. The vertical structure of the design is achieved via the alternate fitting of narrow and broader sheets. By way of the variation of Pilkington **Profilit**[™] glass types of different element widths and visual characteristics - in some cases translucent, in others transparent - as well as the gaps serving ventilation purposes, a finely structured, varied façade finish was created. Depending on the light and weather conditions and their visually changing mutual interaction, it engages in dialogue with the surface of the water of the adjacent Lake Neuenburg.



Variation and structure: with one and the same façade building material in different visual and dimensional forms, a clear, horizontal and vertical building shell structure is created.

Builder:

Philip Morris Products SA,
Neuchâtel (CH)

Architect:

Geninasca Delefortrie SA,
architects FAS SIA,
Neuchâtel (CH)

Pilkington **Profilit**[™] glazing:

approx. 5,000 m² Pilkington **Profilit**[™] of the types K22/60/7, K25/60/7 and K32/60/7 with in part "Amethyst"- coating and in other cases "Clear" glass, single-glazed installed, ventilated, horizontal glazing, gap-fitted in part for building ventilation purposes

Photographer:

Thomas Jantscher (CH)

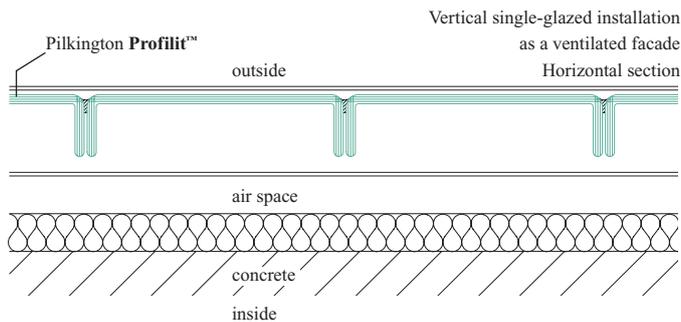


Installed horizontally: the façade shows variation in colour and structure via the use of Pilkington **Profilit**[™] in varying profile widths and finish types.

Building shell with night effect

Museum of Contemporary Art, Sindelfingen Show Works (D)

Today, Sindelfingen Show Works comprise three part buildings that were completely rebuilt in some cases and, in others, redeveloped on the basis of existing industrial structural substance. One part building was entirely demolished and replaced with a new building; the high-bay warehouse was cleared. The architects were successful in making the high structural body capable of being effectively experienced and spatially exploited. The steel skeleton of the store house was preserved and underlines the object's industrial character, which also characterises the new design concept in terms of style and choice of building materials. In this way, 6,500 m² of exhibition space has been created on several levels that are structured via axes of vision and clear lines.



A key design element of the building envelope is Pilkington **Profilit™** profiled glass, which was installed single-glazed, ventilated cladding of the concrete walls combined with a thermally insulated composite system.

The lower new building adjacent to the former high-bay warehouse is highlighted effectively at night by way of the partial, vertical back lighting of individual segments of the profiled glass envelope.

Industrial simplicity for modern art: in its clarity and choice of building materials, the building shell of the museum signals the varied architectural options modernity offers.

Builder:
Bitzer Kühlmaschinenbau GmbH, Sindelfingen (D)
Architect:
BFK + Partner, Freie Architekten BDA, Stuttgart (D)
Installer:
Glaszentrum Schweikert GmbH

Pilkington Profilit™ glazing:
approx. 2,000 m²
Pilkington **Profilit™** K32/60/7, single glazed installed, ventilated and illuminated glazing

Photographer:
Archigraphie Stefan Vogt, Stuttgart (D)

Striking night highlight: the space between the concrete wall and the profiled glass shell is used for partial illumination.



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