3800
Minimal Slim Super Thermal Bi-fold System

FUSION

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GERMAN DESIGN AWARD 2021

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Fusion 3800 Slim Super Thermal folding doors have been designed for large openings up to 3 meters in height and 1,2 meters wide per door leaf. The main application is for commercial and residential buildings, where high thermal insulation and the slimmest profile in the market is required. The system is based on a basic leaf face width of 30mm.

There are seven different threshold designs, available at three different heights (35, 49, and 71mm) making it possible to have a fully flat threshold as well as a high level of water tightness. Since the system is available with gaskets along the whole perimeter as well as a drainage gutter, its performance in water tightness and air permeability is remarkable. It supports all typologies as well as corner fabrications. In its standard configuration, we install this system with 32mm thick double-glazed performance glass to ensure high thermal efficiency and acoustic insulation.

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The Fusion 3800 Slim Super Thermal is characterized by its bottom sliding mechanism which offers, by design, the best performance in terms of smooth sliding and reliable operation over time. The sliding system can be protected from dirt and unwanted objects by two hard brushes which run along the track, ensuring unobstructed sliding. It also comes with stainless steel rollers as the standard for enhanced durability. With the selection of a low bottom threshold of 35mm, it becomes unnecessary to switch to top-hung systems to accommodate specific project requirements. All kinds of inward and outward opening combinations are possible including open corners and individual access doors.

As a standard, all our doors are installed with a multi-locking system for enhanced burglary resistance.

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3800 - Bottom Track Options

Step

3605-S-1

3606-S-1

3706-S-1

3716-S-1

Submerged

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3605-SP-1

3606-SP-1

3607-SP-1

3706-SP-1

3707-SP-1

3605-SG-1
60 mm
39 mm
90 mm
25.7 mm

3606-SG-1
58 mm
71 mm
12.5 mm

3707-SG-1
60 mm
58 mm
49 mm
6 mm

3607-SG-1
58 mm
71 mm

3716-SG-1
58 mm
35 mm
15 mm

3706-SG-1
58 mm
49 mm
15 mm

3717-SG-1
58 mm
35 mm
6 mm

3800 - Bottom Track Options

Internal Use Only

3800 - Top Track Options

3800
Minimal
Slim
Super
Thermal
Bi-fold
System

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2L

3L

2+1L

4L

3+1L

2+2L

5L

5+1L

3+3L

Corner constructions

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Technical Characteristics

Track bottom Height:	35, 49, 71, 90 mm
Frame Depth:	77 mm
Sash face Width:	30, 42, 44 mm
Sash Depth:	60 mm
External Sash-Sash visible face impression:	30 + 30 mm
Internal Sash-Sash visible face	30 + 30 mm
Opening Type:	Fold & Slide
Max sash Width:	1200 mm
Max sash Height:	3500 mm
Max sash Weight:	130 Kg
Glazing width possibilities:	32 mm
Max Locking Points:	5
Trermal Break Width:	16 / 24 mm
Sealing Type:	4 Gaskets
Fabrication Thermal Transmittance EN ISO 10077-2 (U_w):	≥ 1,45 W/(m^2K)
Sliding Rollers:	Stainless Steel
Alignment Rollers:	Stainless Steel

Door Handle Options

Window Handle Options

Lock Options

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ORYX
DOORS & WINDOWS

OEB winner CYPRUS innovation award 2016 MANUFACTURING SECTOR

ISO 9001

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