

MasterLine 8 is a unique windows and doors system that combines countless design possibilities with first in class performance and production speed.

This system gives you a wide design range, to perfectly fit any architectural style, while at the same time offering the ultimate performance regarding thermal insulation and air- and water tightness, with a limited building-in depth of 87 mm.

This new generation of innovative window solutions mirrors the current architectural trend towards maximising daylight while offering ultimate insulation levels.

ENERGY EFFICIENCY MADE TO MEASURE

MasterLine 8 features 3 different levels of insulation, offering solutions for high insulated, low energy and even passive houses. These different levels of insulation are achieved by the integration of new and clever materials.

For the High Insulation+ variant, innovative insulation bars are incorporated, which use a low-emission foil and thus improve the insulation value by reflecting and retaining heat.



Uf = 1,9 W/m2K (*)



Uf = 1,5 W/m2K (*)



Uf = 1,2 W/m2K (*)



AIR- WIND- WATER TIGHTNESS

MasterLine 8 allows for a water tightness of 900Pa, reduced air loss at 600Pa air pressure, and excellent sealing properties. These ultimate performances are achieved by the overall concept and the increased overlap of the central gasket, offering a guaranteed performance.

HIGH STABILITY

Next to these performances, MasterLine 8 is perfectly suited to create large vents, using narrow yet strong profiles. As a result, the window system allows for plenty of daylight, thereby meeting the needs of architects.

PERFORMANCES

ENERGY

Thermal Insulation® EN ISO 10077-2

Uf-value down to 1.0 W/m2K depending on the frame/vent combination and the glass thickness.

COMFORT

Acoustic performance⁽²⁾ EN ISO 140-3; EN ISO 717-1 Rw(C;Ctr) = 37 (4; -4) dB / 40 (-1; -5) dB,

6A

4

06.000 Rev

Air tightness, max, test pressure(3) EN 1026: EN 12207

Wind load resistance,

to frame deflection (6)

EN 12211: EN 12210

41 (-1; -3) dB, depending on glazing type

Water tightness(5) EN 1027: EN 12208

3A 4A 000 Pa (150 Pa)

(300 Pa)

7 A 88 (300 Pa)

(600 Pa)

9A E1200 Exxx

6 2000 Pa)

(600Pa)

max. test pressure(6) EN 12211; EN 12210 Wind load resistance

2 (800 Pa)

3 (200 Pa)

5A

(200 Pa)

5 (2000 Pa)

SAFETY

Burglar Resistance(7) EN 1627 - 1630

(150 Pa)

(400 Pa)

2A

RC 2

R

(1/200)

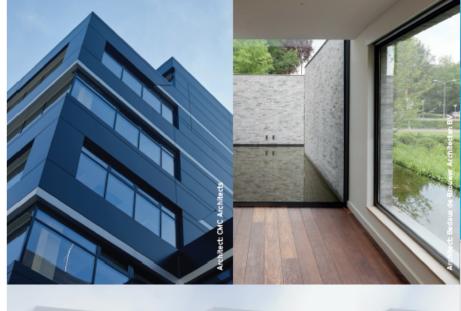
RC3

This table shows possible classes and values of performances. The values indicated in orange are the ones relevant to this system.

- The Uf-value measures the heat flow The lower the Uf-value, the better the thermal insulation of the flame
- The stand reduction index (Prior instances the capacity of the sound reduction performance of the frame the stand reduction index (Prior instances the capacity of the sound reduction performance of the frame of a giftness bed measure the volume of all that reductions through a class develope at a certain air pressure. Non official days, feedered Air Per metal (iv) & 600°C, with included lossed 12 m/(V)m/9 or 0.3 m/(V)m/9.

- The value bigithness best involves applying a uniform water spray at increasing air pressure until valuer penetroles the window. The wind load resistance is a measure of the profile's structural strength and is bested by applying increasing levels of air pressure to simulate the wind force.
- There are up to five levels of wind resistance (to 5) and three deflection classes (A.B.C. The higher the number the better the per for mance. The bunglar resistance is lested by statistical and dynamic loads, as well as by simulated attempts to break in using specified tools.









TOGETHER FOR BETTER