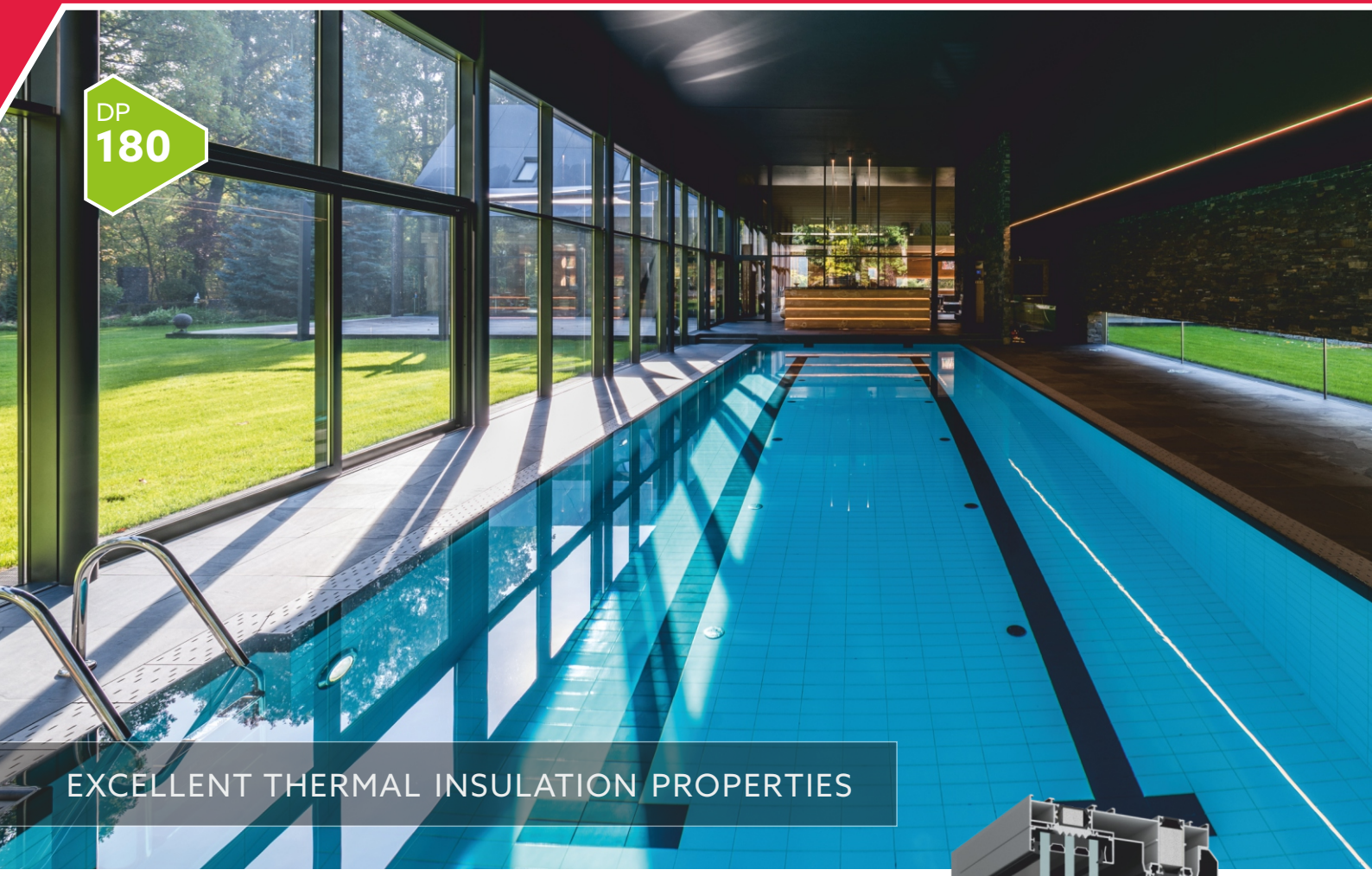
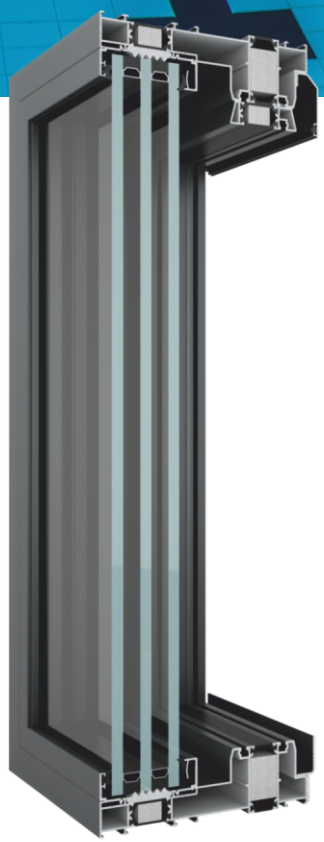
DP 180 - SYSTEM OF OVERHEAD SLIDING DOORS



EXCELLENT THERMAL INSULATION PROPERTIES



DP 180 - SYSTEM FEATURES

DP 180 is a system dedicated to manufacturing of overhead sliding doors for external purposes.

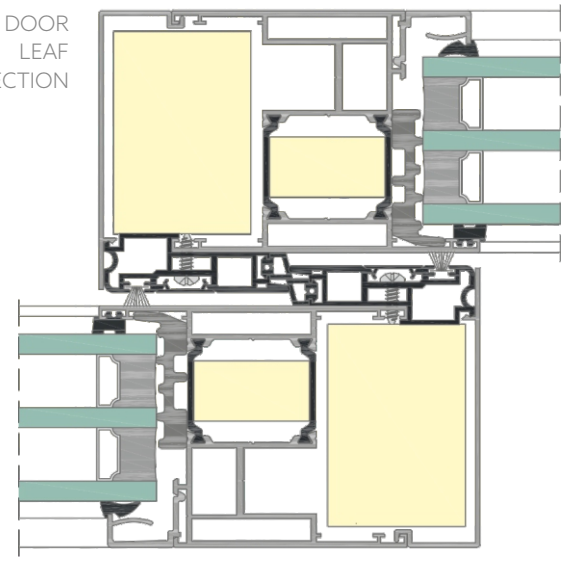
DP 180 system is a modern solution based on aluminium profiles with thermal separators. The construction of DP 180 helps to reduce heat energy losses, thus decreasing heating costs of designed objects. This product is suitable for residential buildings and for public utility buildings.

Photo: Single - family house

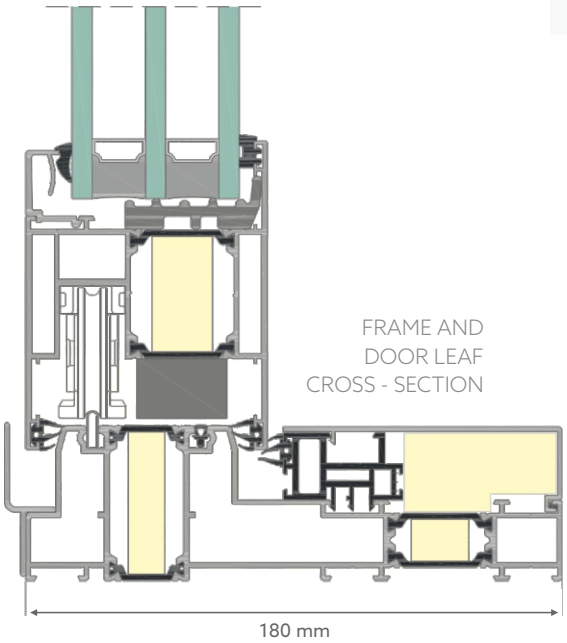
ADVANTAGES OF THE SYSTEM

- excellent thermal insulation - U = from 1,1 W/m^{2}K,
- infill thickness up to 62 mm,
- possibility of manufacturing doors of very large dimensions and leaf weight even 430 kg,
- possibility of manufacturing all-glass corner connection angled 90°,
- possibility of manufacturing doors with lowered, integrated threshold - no architectural barriers,
- very good water tightness and air permeability parameters,
- possibility of installation of automatic doors opening/closing system,
- possibility of using fittings with micro ventilation,
- possibility of infill assembly from the outside,
- possibility of connecting glass panes without sash bars,
- movable corner mullion,
- possibility of combination with other Yawal systems.

DOOR LEAF CONNECTION



FRAME AND DOOR LEAF CROSS - SECTION



ASSEMBLY OF AUTOMATIC DOOR OPENING MECHANISM IS AN ADDITIONAL OPTION

The width and height of a door leaf may reach even 3300 mm, and weight - even 430kg. Large glazing is a sign of modern construction industry. Glass sheets, that are fixed by means of aluminium profiles, add lightness to each building and allow for creating a transparent barrier that is a well-thought out protection against cold, wind, rain or sunlight.

TECHNICAL PARAMETERS - DP 180	
Profiles width	Frame: 180 mm, Leaf: 81 mm
Infill thickness	18÷62 mm
Gaskets	EPDM, TPE
Leaf weight	max. 430 kg
Leaf height	max. 3300 mm
Leaf width	max. 3300 mm
Air permeability	class 4 acc. to PN-EN 12207
Water tightness	class E1350 acc. to PN-EN 12208
Heat transfer coefficient	U_w from 0,8 W/m^{2}K, U_f from 1,1 W/m^{2}K
Wind load resistance	class C3 acc. to PN-EN 12210

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