

PBI 50N - WINDOW AND DOOR SYSTEM WITHOUT THERMAL INSULATION



GREAT SELECTION OF PROFILES

PBI 50N - SYSTEM FEATURES

This system is dedicated to constructing partitions and construction for assembly outdoors and indoors, that don't require thermal insulation, such as: swing doors, serving windows, non-supporting partition walls, display widows, boxes.

Profile depth - 50 mm makes it one of the strongest profiles available on the market in this category. This system uses technological solutions transferred from "warm" PI 50N System, introduced earlier and basing on groove hinges.

The accessories and fittings are identical in those two systems. Such unification allows for quick manufacturing of constructions, eliminating possible prefabrication faults.

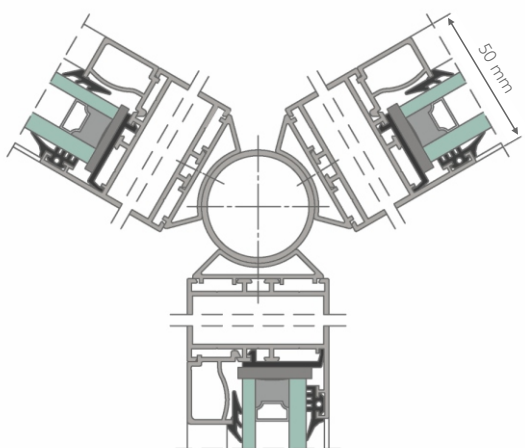
Photo: PGE Turów Arena in Zgorzelec
Design: Archimedia, Poznań
Aluminium manufacturer: APS System, Częstochowa



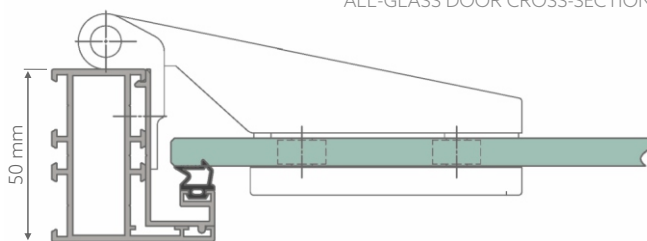
ADVANTAGES OF THE SYSTEM

- possibility of manufacturing smoke-proof constructions,
- possibility of creating swing doors and service windows,
- possibility of creating arched constructions,
- possibility of setting the walls at any angle,
- possibility of creating large-dimensioned constructions due to wide selection of profiles (including reinforced mullions),
- possibility of constructing outwards and inwards opened doors, all-glass, one-leaf and two-leaf doors,
- possibility of combination with other Yawal systems.

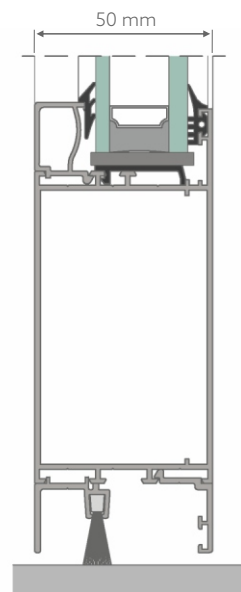
SECTION OF CONNECTED WALLS



ALL-GLASS DOOR CROSS-SECTION



DOOR WITH BRUSH CROSS - SECTION



TECHNICAL PARAMETERS - PBI 50N

Air permeability	class 2 acc. to PN-EN 1227
Operation force	class 2 acc. to PN-EN 12046-2
Mechanical life	class 5 acc. to PN-EN 12400
Smoke proofness	class Sa S200 acc. to PN-EN 13501-2+A1
Acoustic insulation	R _w =22-32 dB acc. to PN-B-02151-3
Technical approval	AT-15-6924/2016

SYSTEM CHARACTERISTICS

		Windows	Service windows	Doors made of window profiles	Swing door	Standard door	Top-hung door	Accordion door
Windows structural depth	PO*	50 mm	50 mm	50 mm	50 mm	50 mm	50 mm	50 mm
	PS*	57 mm	21,8/45,5 mm	57 mm	50 mm	50 mm	50 mm	57 mm
Glazing beam height		20/22 mm	20 mm	20/22 mm	20/22 mm	20/22 mm	20/22 mm	20/22 mm
Glazing thickness		6÷43 mm	4÷6,4 mm	4÷43 mm	4÷34 mm	4÷34 mm	6÷34 mm	6÷43 mm

PO* - Frame profile / PS* - Sash profile