



PBI 40E System



PBI 40E
YAWAL System



System description

The system is designed for constructing division walls and structures for internal and external assembly such as doors, windows, non-load bearing partition walls, cabinets, cubicles that do not require thermal insulation. PBI 40E system is destined for residential, public and industrial buildings as internal division walls. Doors and walls of PBI 40E system may be also used as external division walls only in cases when no requirements as regards thermal insulation and waterproof properties are needed and static calculations take into consideration wind loads.

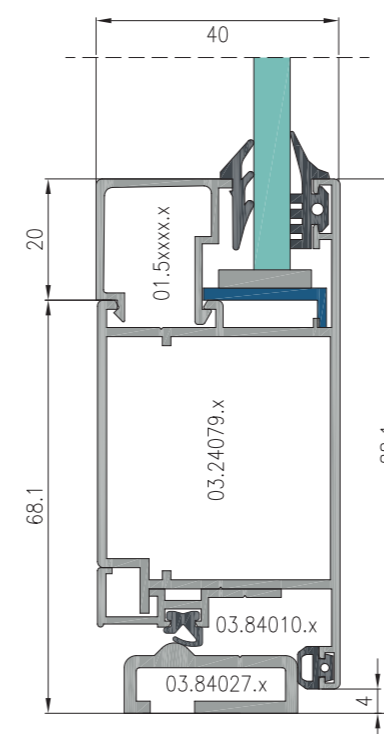
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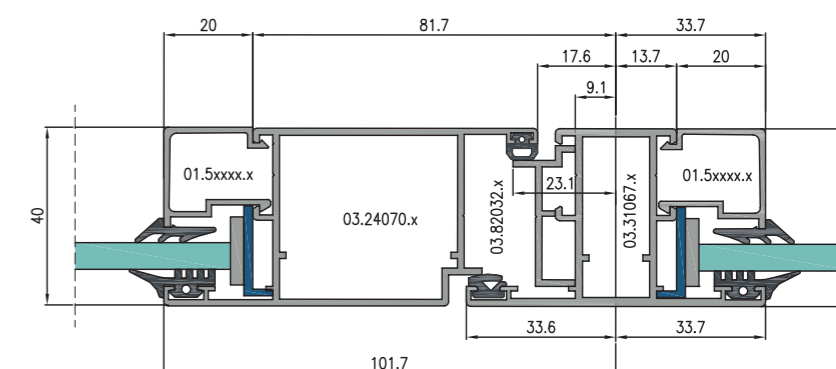
Merits of the system

- possibility to make smoke-resistant structures,
- used for economical arrangement of interiors of high aesthetic and functional standard,
- possibility of making arched structures,
- there is also a possibility of constructing walls at any angle, including angles of 90 and 1350,
- application of the same fittings and accessories as in case of PBI 50N and PI 50N systems,
- possibility of combining with other Yawal systems.

The system solutions and applications



A door with a threshold.



An interior cabinet door.

Technical characteristics

Technical parametres	PBI 40E
working force	class 2 - PN-EN 12217
mechanical durability	class 5 - PN-EN 12400
smoke-resistance	class S _a S _m - PN-EN 13501-2
acoustic insulation	R _w = 22-32dB - PN-EN ISO 140-3
Technical approval	ITB AT-15-6924/2007

PBI 40E						
Stylistic variants		Windows	Window profile doors	Standard doors	Suspended doors	Folding accordion doors
Minimum inward window structure width visible externally	Window frame profile	48,3 mm	73,3 mm	64,3 mm	48,3 mm	73,3 mm
	Sash profile	39,5 mm	64,1 mm	64,1 mm	73,3 mm	64,1 mm
Minimum outward door structure width visible externally	Door frame profile	22,8 mm	47,8 mm	44,3 mm	48,3 mm	47,8 mm
	Leaf profile	89,6 mm	89,6 mm	84,1 mm	73,3 mm	89,6 mm
Window structural depth	Window frame profile	40 mm	40 mm	40 mm	40 mm	40 mm
	Sash profile	40 mm	40 mm	40 mm	40 mm	40 mm
Glazing bead height		20 mm	20 mm	20 mm	20 mm	20 mm
Pane thickness		from 4 to 24 mm	from 4 to 24 mm	from 4 to 24 mm	from 4 to 24 mm	from 4 to 24 mm



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