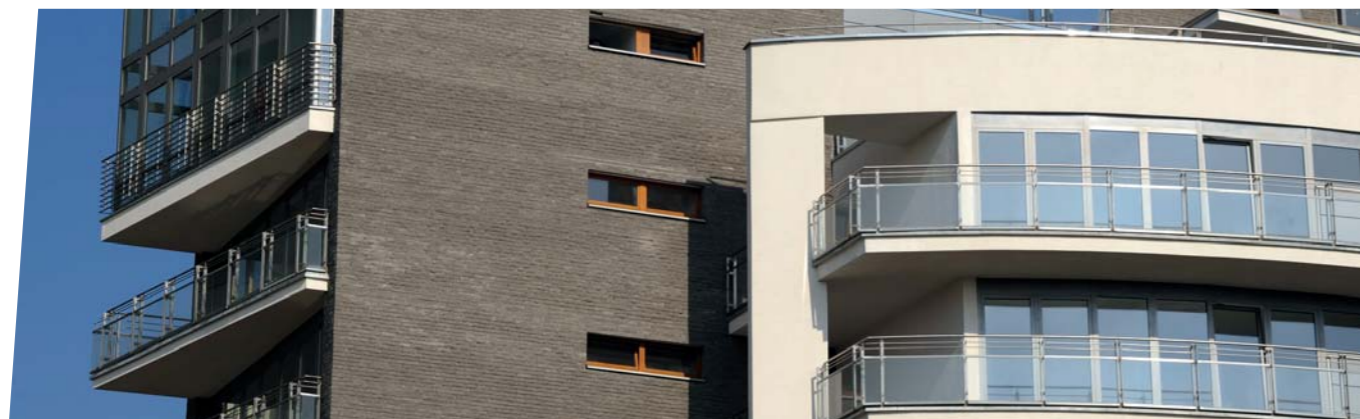




System

TM 75EI System





System description

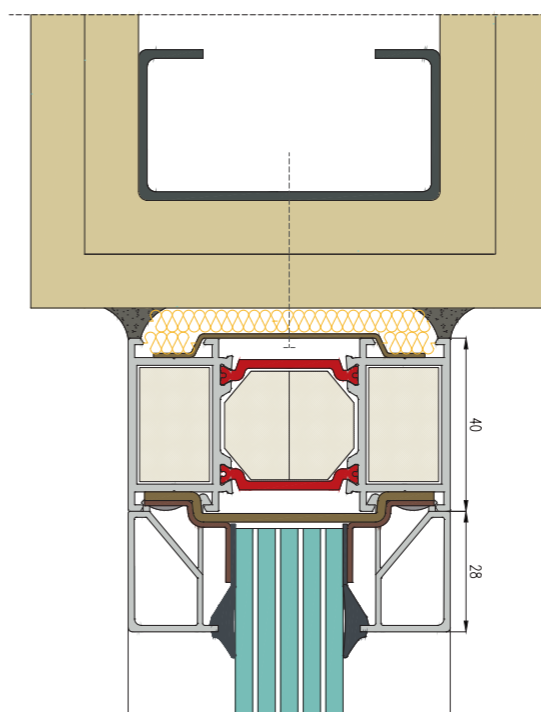
The system is designed for constructing fire-resistant walls and doors having fire resistance class EI 15; EI 30; EI45; EI 60, that are used as external and internal construction division walls. It allows for producing a wide range of door structures and their combinations. It also enables to make smoke-resistant structures. Thermo insulated profiles of TM 75EI system consist of two aluminium parts, internal and external one, separated by insulating tapes. A role of profiles insulation is played by tapes made of polyamide reinforced by glass fibre of a width 32mm. Profiles are made in two construction variants which differ in the level of aluminium section chamber filling and fire-resistant insulated inserts.



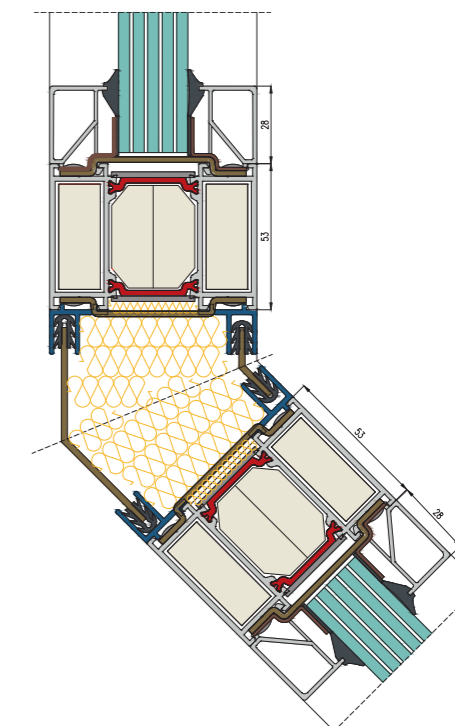
Merits of the system

- a wide range of application possibilities as internal and external division walls,
- classified as smoke-resistant in class S_m, S_a ,
- materials classified as fire-retardant (NRO),
- a wide range of construction solutions from partition walls through cabinets to single doors and double doors as well as in versions with transom windows,
- high heat insulation properties,
- a wide range of fillings of a thickness from 8 to 50mm.

The system solutions and applications



Fixing in a plaster-cardboard wall.

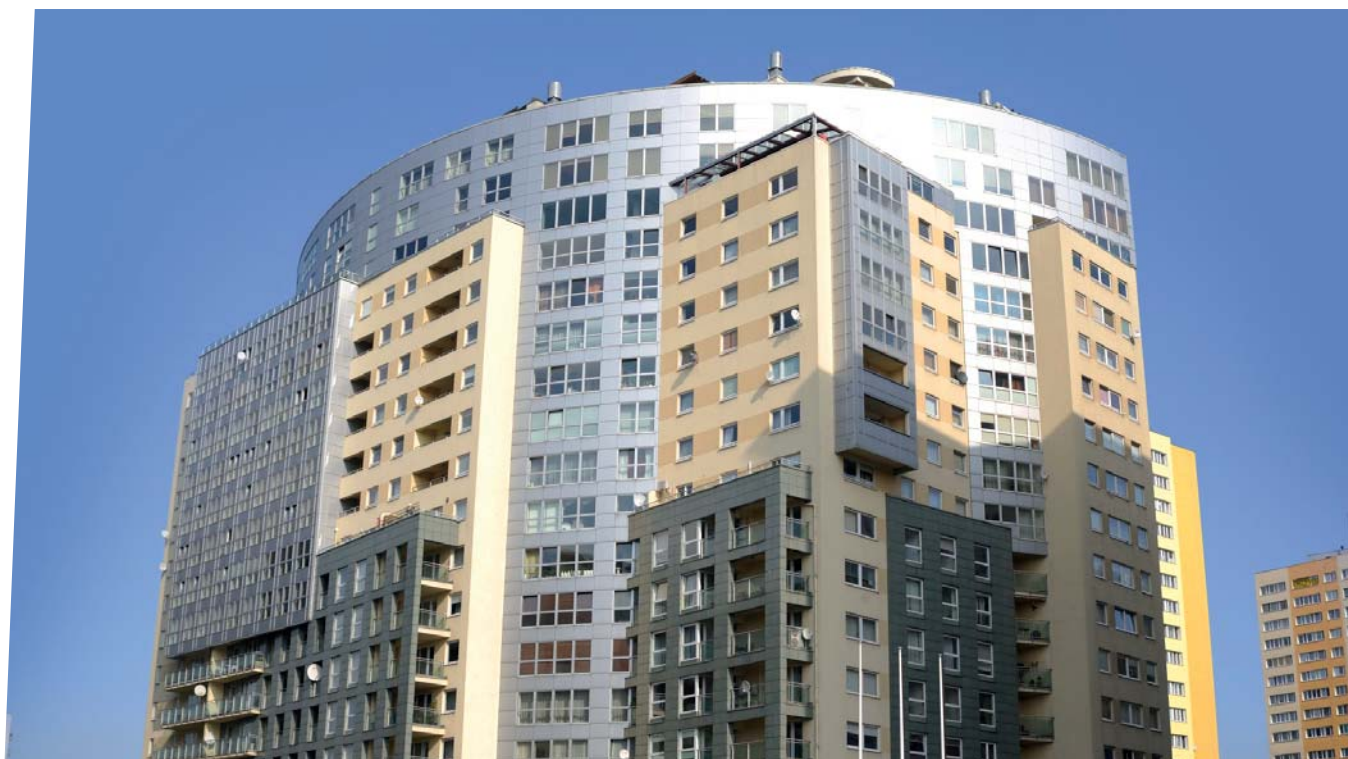


135° corner connection.

Technical characteristics

Technical parametres	TM 75EI
air permeability	$a \leq 1,0 [m^3 / (m \cdot h \cdot daPa^2)]$
water tightness	class 3A PN-EN 12208
fire class	class EI30, EI60 – PN-B-02851-1, PN-EN 13501-2
wind load resistance	class C – PN-EN 12210
heat penetration rate	$U_f = 2,55-2,6 W/m^2K$ – PN-EN ISO 10077-2:2005
acoustic insulation	$R_w = 35-40 dB$ – PN-EN ISO 140-3
Technical approval	ITB AT-15-6830/2007

TM 75EI			
Stylistic variants		Doors	Permanent windows
Minimum inward window structure width visible externally	Window frame profile	65,7 mm	68,2 mm
	Sash profile	73,7 mm	—
Minimum outward door structure width visible externally	Door frame profile	40,7 mm	—
	Leaf profile	88,7 mm	—
Window structural depth	profil Window frame profile	74,8 mm	74,8 mm
	Sash profile	74,8 mm	74,8 mm
Glazing bead height		28 mm	28 mm
Pane thickness		from 8 to 50 mm	from 8 to 50 mm



Yawal S.A.

ul. Lubliniecka 36, 42-284 Herby,

tel.: +48 34 352 88 00,

fax: +48 34 357 41 42,

e-mail: yawal@yawal.com

www.yawal.com