



*TM 74 1.0 System*



**TM 74**  
YAWAL System



## System description

The system is designed for constructing windows, doors, cabinets of high thermal insulation parameters for residential, public and industrial buildings. Thermo insulators applied in the system are made of polyamide reinforced by glass fibre and are additionally filled in by styropax inserts. The system enables to create structures of big dimensions on account of the application of reinforced profiles both from outside and inside. A great variety of special profiles makes it possible to construct windows of very good thermal parameters, of appropriate dimensions as well as to freely arrange various types of windows.

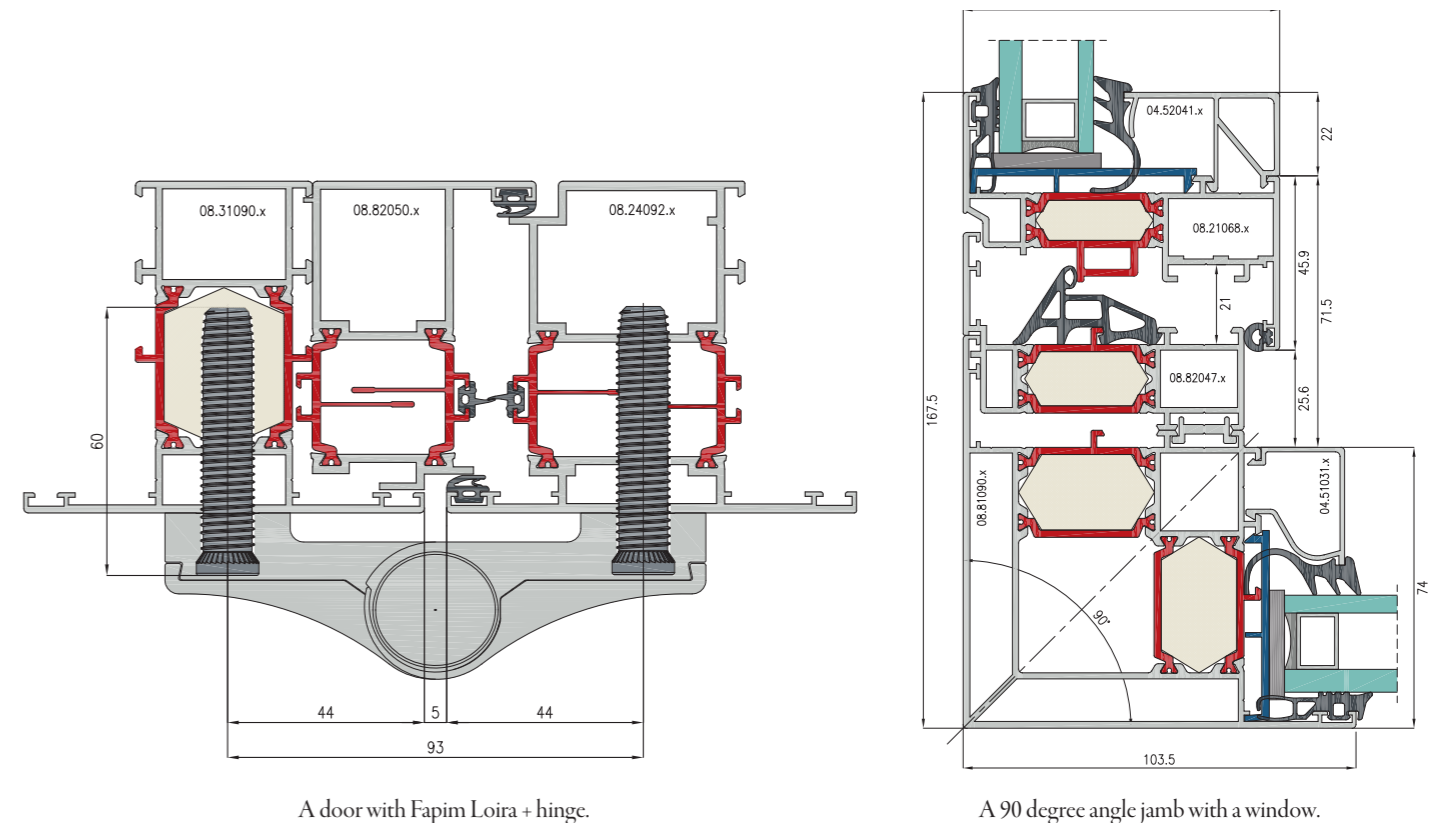
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## Merits of the system

- the system allows for construction of modern window structures in various configurations and arrangements,
- possibility of profile bending,
- it enables to install windows in façade panel systems,
- thermal insulation of the profiles allows for optimization of building usage costs,
- angular profiles allow for constructing structure combinations under various angles,
- profiles of various widths enable to use a broad range of modern fittings and individual handles or hand rails,
- profile width enables to apply hidden hinges and remote controlled locks,
- unique system of air circulation division inside the profile allows for constructing a structure characterized by high thermal insulating power,
- possibility of combining with other Yawal systems.

## The system solutions and applications



## Technical characteristics

Technical parametres	TM 74 1.0 okna	TM 74 1.0 drzwi
air permeability	class 4 - PN-EN 12207	class 3 - PN-EN 12207
water tightness	class E1050 - PN-EN 12208	class A5 - PN-EN 12208
heat penetration rate	$U_f = 1,68 - 1,99 \text{ W/m}^2\text{K}$	$U_f = 1,9 \text{ W/m}^2\text{K}$ - PN-EN ISO 10077-2:2005
acoustic insulation	$R_w = 30 - 40 \text{ dB}$ - PN-EN ISO 140-3	$R_w = 30 - 40 \text{ dB}$ - PN-EN ISO 140-3
Technical approval	ITB AT-15-4695/2007	

TM 74 1.0		
Stylistic variants	STANDARD	
Minimum inward window structure width visible externally	Window frame profile	52,1 mm
	Sash profile	31,9 mm
Minimum outward door structure width visible externally	Door frame profile	41,7 mm
	Leaf profile	91,7 mm
Window structural depth	Window frame profile	74 mm
	Sash profile	83,4 mm
Glazing bead height		22 mm
Pane thickness		14-67 mm



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