

TM
75EI

SYSTEM OF FIRE PROTECTION
WALLS AND DOORS



fire protection system

TM 75EI - SYSTEM FEATURES

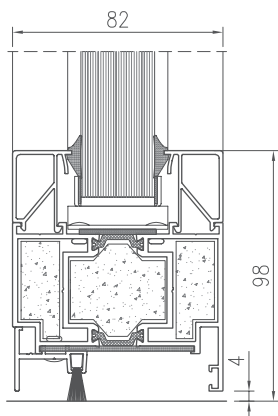
- the system allows the construction of fire protection walls and doors of fire resistance class from EI 30 to EI 60, that may be used as indoors and outdoors partitions,
- symmetrical structure of profiles,
- system classified as smoke proof in classes Sa and S200,
- materials classified as NRO (fire retardants),
- large selection of construction solutions: from partition walls, display windows, to single-leaf and double-leaf doors (available with transom window or sidelights),
- infills with glazed pane unit and double-chamber panes,
- a wide selection of fire protection glass panes manufacturers,
- new insulation infills that improve heat transfer coefficient,
- certification possible based on the National Technical Assessment and standard,
- possibility of selecting glass manufacturer: AGC, Bohamet, Vetrotech Saint-Gobain, Reglas, Pilkington, Promat,
- infills possible in two variants (warm and cold).



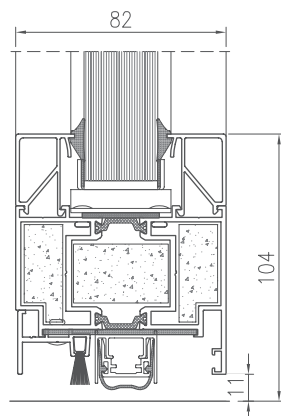
See the product
on the website

Picture: Małopolska Garden of Arts, Cracow
Design: Ingarden & Ewy Architekci, Cracow
Aluminium manufacturer: Arton Sp. z o.o., Częstochowa

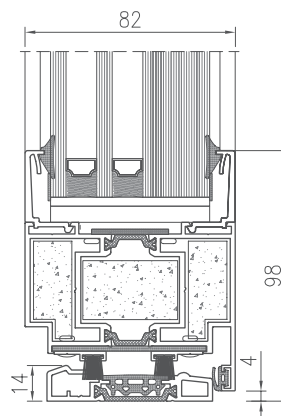
CROSS SECTION THROUGH INTERNAL TM 75EI 60 DOOR



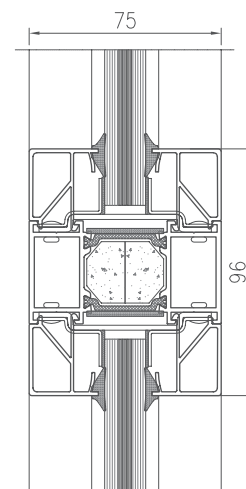
CROSS SECTION THROUGH INTERNAL TM 75EI 60 DOOR - DROP-DOWN SEAL



CROSS SECTION THROUGH EXTERNAL TM 75EI 60 DOOR



CROSS-SECTION THROUGH TM 75EI 30 MULLION



TECHNICAL PARAMETERS - TM 75EI

		INTERNAL DOORS	EXTERNAL DOORS
ENERGY	Thermal insulation EN 10077-2	Uf from 2,0 W/m ² K	Uf from 2,0 W/m ² K
COMFORT	Acoustic insulation EN ISO 140-3	Rw = 30 ÷ 40	Rw = 30 ÷ 40
	Air permeability EN 12207	Class 2	Class 4
	Water tightness EN 12208	-	Class 8A
SAFETY	Wind load resistance EN 12210	Class C1	Class C2/B2
	Fire resistance EN 13501-2	EI 30, EI 60	EI 30, EI 60
	Resistance to cyclic opening/closing EN 16034	Class C5	Class C5
	Static torsion EN 1192	Class 4 (350N)	Class 4 (350N)
	Impact resistance to soft and heavy body EN 1192	Class 4 (180J)	Class 4 (180J)
	Impact resistance to hard body EN 1192	Class 4 (8J)	Class 4 (8J)

TECHNICAL PROPERTIES - TM 75EI

	DOORS	WALLS
Frame structural depth	74,8 mm / 82 mm	74,8 mm / 82 mm
Leaf structural depth	74,8 mm / 82 mm	74,8 mm / 82 mm
Maximum dimensions L x H - single-leaf fire protection doors	1350 x 2990 mm or 1570 x 2710 mm	without limit x 5000 or 4950 mm
Maximum dimensions L x H - double-leaf fire protection doors	2600 x 3050 mm or 2900 x 2875 mm	without limit x 5000 or 4950 mm
Maximum dimensions L x H - single-leaf smoke proof fire protection doors	1400 x 2600 mm	-
Maximum dimensions L x H - double-leaf smoke proof fire protection doors	2600 x 2600 mm	-

acc. to the NATIONAL TECHNICAL ASSESSMENT ITB-KOT-2021/1942 ver. 1