



FIRE PROTECTION SYSTEM

TM 75EI - SYSTEM FEATURES

This system is dedicated to fire-protection walls and doors, of fire proofing class from EI 30 to EI 60, that may be used as indoors and outdoors partitions.

The system allows for constructing a wide variety of doors and walls combinations. Smoke proof constructions are also possible. Thermally insulated profiles of TM 75EI system are composed of two aluminium parts separated with insulating tapes. The 32mm wide tapes, acting as insulation in profiles, are made of polyamide reinforced with glass fibre.

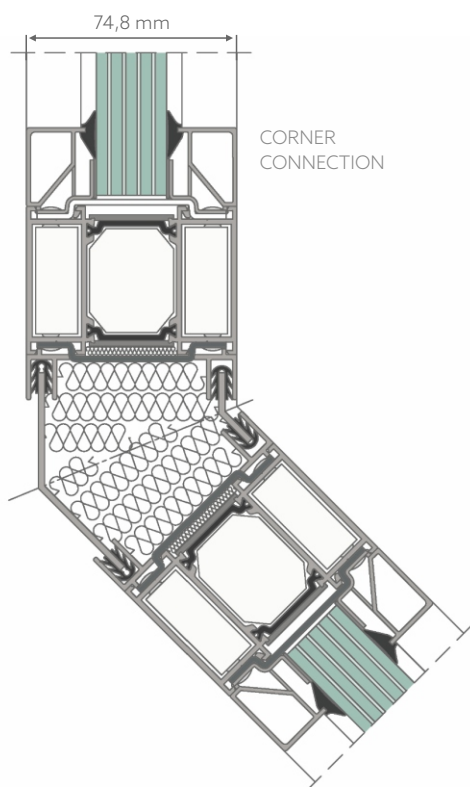
The profiles are manufactured in two versions, the difference consists in the amount of fire proof insulating infills in the chambers between aluminium shapes.

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

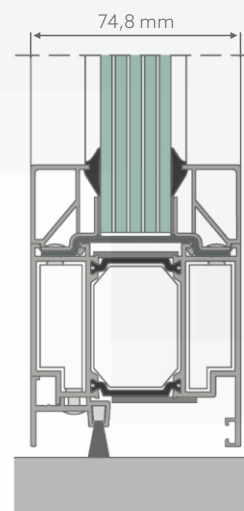


ADVANTAGES OF THE SYSTEM

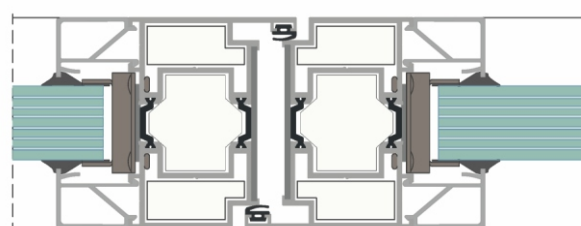
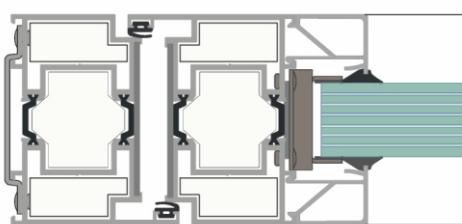
- system classified as smoke proof in class Sm, Sa
- materials classified as NRO - fire retardant,
- large selection of constructional solutions: from partition walls, display windows, to one - leaf and two-leaf doors (available with transom window or sidelights),
- wide variety of infills, ranging from 8 to 50mm.



CROSS - SECTION OF DOOR WITH A BRUSH



VARIANT 82 mm



VARIANT 82 mm

TECHNICAL PARAMETERS - TM 75EI

Air permeability	class 2 acc. to PN-EN 12207
Water tightness	class 3A acc. to PN-EN 12208
Fire classification	class EI 30, EI 60 acc. to PN-EN 13501-2+A1
Wind load resistance	class C1 acc. to PN-EN 12210
Heat transfer coefficient	$U_f = 2,55 \div 2,6 \text{ W}/(\text{m}^2\text{K})$ acc. to PN-EN ISO 6946
Acoustic insulation	$R_w = 35 \div 40 \text{ dB}$ acc. to PN-EN ISO 140-3
Technical approval	AT-15-6830/2016

SYSTEM CHARACTERISTICS

		DOORS	FIXED WINDOWS
Door structural depth	Frame profile	74,8 mm / 82 mm	74,8 mm / 82 mm
	Sash profile	74,8 mm / 82 mm	74,8 mm / 82 mm
Glazing thickness		to 62 mm	to 62 mm