INDEPENDENT CEILING (1364-2) EI 120
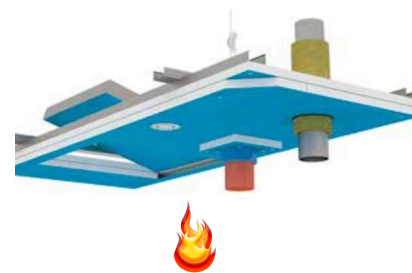# PROMATECT-100X

Promat

Product / System Specs

PROMATECT-100X: A1 hi-performing fire protective board, **based on improved PromaX® technology**
- Independent ceiling 2 x 20 mm PT-100X (without MMMF)
- Boards fixed with screws: first layer with 3,5 x 35 mm screws (center 300 mm), second layer with 3,5 x 55 mm (center 150 mm)
- Primary channel system: 49 x 27 x 0,6 (750 mm center)
- Secondary channel system: 49 x 27 x 0,6 (500 mm center)
- Perimeter steel C profile: 28 x 28 x 0,6 mm fastened using 9 x 45 mm anchors (500 mm center)
- Hanger steel rods 44 diameter (center 800 mm)

2 inspection accesses: 604 x 404 mm and 404 x 404 mm
Several promatization items (see below)

Classification

EI 120 (fire from below)

Value proposition

	Specifier	Distributor	Installer
PT-100X performance A1, ETA/approval	X Third party approval, 25 years durability for fire performance, semi-exposed application, tests done according to EN 1364-1 and 1366-1	X Third party approval, 25 years durability for fire performance, semi-exposed application	X Third party approval, 25 years durability for fire performance, semi-exposed application
System performance A1 (no combustible material inside the system), fully documented, promatization	X Can be used in every kind of building/compartment; cables, lamps, inspection accesses, combustible pipes, steel pipes and tubes allowed		X Cables, lamps, inspection accesses, combustible pipes, steel pipes and tubes allowed
Limited amount of thicknesses Only one type of board (20 mm) for ceiling	X Lightest (34 kg/m²) and thinnest (40 mm) construction	X Inventory optimization, no special profiles or stuccos	X Easy logistic, lower risk of mistakes, Easy to handle (2 m height)
Ease and speed of installation Cut & snap, standard stucco for joint treatment, standard frames and accessories	X Easy to control the quality of the installation		X Competitive total cost

Comparison

	Promat PT-100X	RIGIPS PRO Fire+ type DF or Fire+ Hydro type DFH2
Approvals	Classification report nr. IG 353244//3930 RF	Classification No. LBO-059-K/09 acc. to EN 1364-2
System	- 2x 20 mm PT-100X boards - Boards fixed with screws: first layer with 3,5 x 35 mm screws (center 300 mm), second layer with 3,5 x 55 mm (center 150 mm) - Primary channel system: 49 x 27 x 0,6 (750 mm center) - Secondary channel system: 49 x 27 x 0,6 (500 mm center) - Perimeter steel C profile: 28 x 28 x 0,6 mm fastened using 9 x 45 mm anchors (500 mm center) - Hanger steel rods 44 diameter (center 800 mm)	- 2x 15 mm + 2x 12.5 mm - Hangers at max. spacing of 600 mm - Main frame - CD60 steel profiles, at max. spacing of 700 mm - Load-bearing frame - CD60 steel profiles, at max. spacing of 300 mm - Insulation with mineral wool is not required
Direct Field of Application	- Penetrations: cables, lamps (up to 1,4% of surface), inspection accesses (up to 4,1% of surface), combustible pipes, steel pipes and tubes allowed	
Main differences and advantages	- Total system thickness = 40 mm - A1 - Approx. 25% faster to install (2 layers vs. 4 layers) - Only one type of board to install - Promatization	- Total system thickness = 55 mm - A2s1d0
Estimated cost (total cost of installation)	Approx. 42 €/m²	Approx. 35 €/m²