

# Appendix A

Certificate No: 2358-CPR-0218

Issue No: 1 Date: 09.11.2018

Product Description			
Product name		Aluprof MB-78EI	
Product definition	Class	Fire resistant external single leaf hinged door sets and openable windows	Fire resistant external double leaf hinged door sets and openable windows
Fire resistant side	E60 EI <sub>2</sub> 60 EW60 S <sub>200</sub> , S <sub>a</sub>	Both	
Leaf - max width x height, mm ** Maximum height of door set with top light	E60 EI <sub>2</sub> 60 EW60  S <sub>200</sub> , S <sub>a</sub>	1350 x 3006 (4000**) or 1400 x 2500 (4000**)	2200 x 3006 (4000**) or 2500 x 2500 (4000**)
		1350 x 3006 (4000**) or 1400 x 2500 (4000**)	2252 x 2248
Leaf - min width x height, mm	E60 EI <sub>2</sub> 60 EW60 S <sub>200</sub> , S <sub>a</sub>	500 x 600	
Frame thickness, mm		78	
Leaf thickness, mm		78	
Frame and leaf material		Aluminum	
Glass pane - max width x height, mm	E15 EI <sub>2</sub> 15 S <sub>200</sub> , S <sub>a</sub>	1260 x 2360	
Non-transparent panel - max width x height, mm		1200 x 2360	
Glass pane - max width x height, mm * The specific dimensions depends of the glass brand/model	E30 EI <sub>2</sub> 30 EW30 S <sub>200</sub> , S <sub>a</sub>	1075-1260 x 2300-2866 *	
Non-transparent panel - max width x height, mm		1200 x 2360	
Glass pane - max width x height, mm * The specific dimensions depends of the glass brand/model	E60 EI <sub>2</sub> 60 EW60 S <sub>200</sub> , S <sub>a</sub>	1210-1260 x 2360 *	
Non-transparent panel - max width x height, mm		1200 x 2360	
Glazing beads		Aluminum profile	
Hinges per leaf		≥ 2 for door sets/windows maximum height of 2600 mm and ≥ 3 for higher door sets/windows	
Installation foam/wool		Fire resistant PU foam or mineral wool	
Supporting construction	Rigid or flexible		

Essential characteristics of door set and openable window Aluprof MB-78EI		
Classification characteristic	Class	Reference to classification and test evidence
Resistance to fire	Integrity – E	<p>Test reports:                      271 43913; LBO-756/15; LP-03555.1/09;                      10-000646-PB01-F12-01-de-01; LPP01-01036/12/R81NP; LP-03555.3/09;                      Fires-FR-049-11-AUNE; EFR-15-V-000849B; LP-03555.5/09;                      LP01-01036/14/R166NP; EFR-14-V-003553B; LP-03555.7/09;                      LP03-01036/14/R166NP; EFR-14-V-003555B; LP-03555.17/09;                      LP-03555.9/09; EFR-14-V-003554B; LP-03555.18/09;                      LP-0355.10/09; EFR-14-V-003552B; LP-03555.19/09;                      LP-03555.11/09; EFR-14-V-003556B; LPP00-01036/12/R59NP;                      LP-03555.12/09; LP09-01036/15/R221NP; LPP04-01036/12/R81NP;                      LP-03555.13/09; 15-000882-PR01, 15-000882- LPP03-01036/12/R81NP;                      LP-03555.14/09; PR02 (PB-C04-01-en-02); LBO-514-14;                      LP-03555.15/09; LBO-842/16; LBO-553-14;                      LPP00-01036/11/R54NP; LZP02-01036/16/R279NZIP; RS-13/B-064;                      LBO-374/12; EFR-15-V-000202B; LP01-01036/15/R221NP;                      LBO-459-13; EFR-14-V-003557B; FIRES-FR-022-16-AUNE;                      LBO-460-13; FIRES-FR-103-11-AUNE; EFR-16-V-000509B;                      LP05-01036/15/R221NP; FIRES-FR-221-07-AUNE; LBO-827/16;                      LPP01-01036/13/R130NP; LPP03-01036/13/R130NP; LBO-851/16                      IRES-MP-065-10-AUNE; LP02-01036/14/R166NP;                      LPP01-01036/13/R120NP; LP05-01036/14/R166NP;</p>
	Integrity and thermal insulation – EI <sub>1</sub>	NPD
	Integrity and thermal insulation – EI <sub>2</sub>	EI <sub>2</sub> 15; EI <sub>2</sub> 20; EI <sub>2</sub> 30; EI <sub>2</sub> 45; EI <sub>2</sub> 60
	Integrity and radiation - EW	EW20; EW30; EW60
Smoke leakage	Smoke leakage at ambient temperature - S <sub>a</sub>	<p>Test reports:                      LP-792/03</p> <p>Classification reports:                      1036/16/R267NZIP/e</p>
	Smoke leakage at ambient and 200 C° temperature - S <sub>200</sub>	<p>Extended application reports:                      NA</p>
Self-closing	C	<p>Test reports:                      NA</p> <p>Classification reports:                      NA</p>

**Remarks:**

The product description table already takes account of direct and extended field of application and does not always reflect actual tested product description.