

# Appendix A

Certificate No: TT-PRS-0163

Issue No: 1 Date: 09.11.2018

Product Description			
<b>Product name</b>		<b>Aluprof MB-78EI</b>	
<b>Product definition</b>	<b>Class</b>	Fire resistant internal single leaf hinged door sets and openable windows	Fire resistant internal double leaf hinged door sets and openable windows
<b>Fire resistant side</b>	<b>E60 EI<sub>2</sub>60 EW60 S<sub>200</sub>, S<sub>a</sub></b>	Both	
<b>Leaf- max width x height, mm **</b> <i>Maximum height of door set with top light</i>	<b>E60 EI<sub>2</sub>60 EW60</b>	1350 x 3006 (4000**) or 1400 x 2500 (4000**)	2200 x 3006 (4000**) or 2500 x 2500 (4000**)
	<b>S<sub>200</sub>, S<sub>a</sub></b>	1350 x 3006 (4000**) or 1400 x 2500 (4000**)	2252 x 2248
<b>Leaf - min width x height, mm</b>	<b>E60</b>	500 x 600	
<b>Frame thickness, mm</b>	<b>EI<sub>2</sub>60</b>	78	
<b>Leaf thickness, mm</b>	<b>EW60</b>	78	
<b>Frame and leaf material</b>	<b>S<sub>200</sub>, S<sub>a</sub></b>	Aluminum	
<b>Glass pane - max width x height, mm</b>	<b>E15</b>	1260 x 2360	
<b>Non-transparent panel - max width x height, mm</b>	<b>EI<sub>2</sub>15 S<sub>200</sub>, S<sub>a</sub></b>	1200 x 2360	
<b>Glass pane - max width x height, mm</b> <i>* The specific dimensions depends of the glass brand/model</i>	<b>E30 EI<sub>2</sub>30 EW30</b>	1075-1260 x 2300-2866 *	
<b>Non-transparent panel - max width x height, mm</b>	<b>S<sub>200</sub>, S<sub>a</sub></b>	1200 x 2360	
<b>Glass pane - max width x height, mm</b> <i>* The specific dimensions depends of the glass brand/model</i>	<b>E60 EI<sub>2</sub>60 EW60 S<sub>200</sub>, S<sub>a</sub></b>	1210-1260 x 2360 *	
<b>Non-transparent panel - max width x height, mm</b>		1200 x 2360	
<b>Glazing beads</b>		Aluminum profile	
<b>Hinges per leaf</b>		≥ 2 for door sets/windows maximum height of 2600 mm and ≥ 3 for higher door sets/windows	
<b>Installation foam/wool</b>		Fire resistant PU foam or mineral wool	
<b>Supporting construction</b>	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	<b>E15;</b> <b>E20;</b> <b>E30;</b> <b>E45;</b> <b>E60</b>	Test reports: 271 43913; LBO-756/15; 10-000646-PB01-F12-01-de-01; LPP01-01036/12/R81NP; Fires-FR-049-11-AUNE; EFR-15-V-000849B; LP01-01036/14/R166NP; EFR-14-V-003553B; LP03-01036/14/R166NP; EFR-14-V-003555B; LP-03555.9/09; EFR-14-V-003554B; LP-0355.10/09; EFR-14-V-003552B; LP-03555.11/09; EFR-14-V-003556B; LP-03555.12/09; LP09-01036/15/R221NP; LP-03555.13/09; 15-000882-PR01, 15-000882- LP-03555.14/09; PR02 (PB-C04-01-en-02); LP-03555.15/09; LBO-842/16; LPP00-01036/11/R54NP; LZP02-01036/16/R279NZP; LBO-374/12; EFR-15-V-000202B; LBO-459-13; EFR-14-V-003557B; LBO-460-13; FIRES-FR-103-11-AUNE; LP05-01036/15/R221NP; FIRES-FR-221-07-AUNE; LPP01-01036/13/R130NP; LPP03-01036/13/R130NP; IRES-MP-065-10-AUNE; LP02-01036/14/R166NP; LPP01-01036/13/R120NP; LP05-01036/14/R166NP;
	Integrity and thermal insulation – EI <sub>1</sub>	<b>NPD</b>	LP-03555.17/09; LP-03555.18/09; LP-03555.19/09; LPP00-01036/12/R59NP; LPP04-01036/12/R81NP; LPP03-01036/12/R81NP; LBO-514-14; LBO-553-14; RS-13/B-064; LP01-01036/15/R221NP; FIRES-FR-022-16-AUNE; EFR-16-V-000509B; LBO-827/16; LBO-851/16
	Integrity and thermal insulation – EI <sub>2</sub>	<b>EI<sub>2</sub>15;</b> <b>EI<sub>2</sub>20;</b> <b>EI<sub>2</sub>30;</b> <b>EI<sub>2</sub>45;</b> <b>EI<sub>2</sub>60</b>	
	Integrity and radiation - EW	<b>EW20;</b> <b>EW30;</b> <b>EW60</b>	Classification reports: 1036/16/R267NZP/e  Extended application reports: NA
Smoke leakage	Smoke leakage at ambient temperature - S <sub>a</sub>	<b>S<sub>a</sub></b>	Test reports: LP-792/03  Classification reports: 1036/16/R267NZP/e  Extended application reports: NA
	Smoke leakage at ambient and 200 C° temperature - S <sub>200</sub>	<b>S<sub>200</sub></b>	
Self-closing	C	<b>NPD</b>	Test reports: NA  Classification reports: NA

**Remarks:**

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