

# Appendix E

Certificate No: TT-PRS-0163

Issue No: 3 Date: 07.06.2021

Product Description				
Product name		Aluprof MB-86EI		
Product definition	Class	Fire resistant internal single leaf openable windows and hinged door-sets	Fire resistant internal double leaf openable windows and hinged door-sets	
Fire resistant side <i>* depends of door / window construction</i>	E30 EI <sub>1</sub> 30 EI <sub>2</sub> 30	Opening outside from fire / Both *		
Frame (vertical orientation) - min-max width x height, mm		392-1850 x 392-2650		
Leaf (vertical orientation) - min-max width x height, mm		353-1600 x 353-2400		
Leaf (vertical orientation)- max are, m <sup>2</sup>		3.84	3,45	
Frame (horizontal orientation) - min-max width x height, mm		392-2650 x 392-1550		
Leaf (horizontal orientation) - min-max width x height, mm		353-2400 x 353-1300		
Leaf (horizontal orientation)- max are, m <sup>2</sup>		3.12		
Toplight and Sidelight- min-max width x height, mm		392-2500 x 392-1100; 392-1300 x 392-2500		
Door-set leaf - min-max width x height, mm <i>** Max height of door-set with over panel</i>		412-1300 x 412-3000 (3500)**		412-2582 x 412-3000 (3500)**
Door-set leaf - max are, m <sup>2</sup>		3.9		
Door-set Over panel and Side panel - min-max width x height, mm		250-3000 x 250-932; 250-1557 x 250-2568		
Frame thickness, mm		77		
Leaf thickness, mm <i>***door-sets</i>		86 / 77***		
Frame and leaf material		Aluminum		
Glass pane – min-max width x height, mm		250-2285 x 250-2285		
Glass pane - max are, m <sup>2</sup>		2.94		
Glass pane of Toplight and Sidelight - max width x height, mm		2399 x 966; 1171 x 2376		
Non-transparent panel of Toplight and Sidelight – min-max width x height, mm		1250 x 2034		
Door-set glass pane – max width x height, mm		1138 x 2338; 1092 x 2792		
Door-set glass pane of Over panel and Side panel - max width x height, mm		2877 x 837; 1482 x 2434		
Door-set Non-transparent panel– min-max width x height, mm		250-1092 x 250-2792		
Glazing beads		Aluminum profile		
Hinges per leaf <i>* depends of door / window construction</i>		≥ 2 for windows* / ≥ 3 for door-sets*		
Installation foam/wool <i>***door-sets</i>		Mineral wool / Foam***		
Supporting construction <i>* depends of door / window construction</i>		Rigid / Walls of Aluprof MB-86EI*		

Essential characteristics of openable windows Aluprof MB-86EI		
Classification characteristic	Class	Reference to classification and test evidence
Resistance to fire	Integrity – E	<b>E15;</b> <b>E20;</b> <b>E30</b> Test reports: LZP02-1036/17/315NZP; LZO-892/16; LBO-891/16 LZP03-1036/17/315NZP; LBO-965-17; LBO-966-17; LBO-1056-17; LBO-1057-17;
	Integrity and thermal insulation – EI <sub>1</sub>	<b>EI<sub>1</sub>15;</b> <b>EI<sub>1</sub>20;</b> <b>EI<sub>1</sub>30</b> LZP07-1036/17/R352NZP; LZP01-1036/18/R385NZP; LZP02-1036/18/R385NZP; LBO-1097/17; LBO-1138/18; LBO-1147/18; LBO-1148/18;
	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> LZP06-1036/19/R454NZP; LBO-1232/18; LBO-1233/18;
	Integrity and radiation - EW	<b>EW20;</b> <b>EW30</b> Classification reports: 1036/17/R315NZP 1036.2/20/R490NZP/ENG 1036.1/18/R360NZP/ENG Extended application reports: 1036/18/R360NZP 1036.1/20/R490NZP/ENG
Smoke leakage	Smoke leakage at ambient temperature - S <sub>a</sub>	<b>NPD</b> Test reports: NA Classification reports: NA
	Smoke leakage at ambient and 200 C° temperature - S <sub>200</sub>	<b>NPD</b> Extended application reports: NA
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.