Appendix B

Certificate No: TT-PRS-093

Issue No: 7 Date: 30.11.2020

Product Description			
Product name		**SMU101-EI60**	**SMU201-EI60**
Product definition	**Resistance to fire and smoke leakage class**	Fire resistant and/or smoke control single leaf insulated flush metal door set with and without glass panel, inwards and outwards opening	Fire resistant and/or smoke control double leaf insulated flush metal door set with and without glass panel, inwards and outwards opening
Frame - max width x height, mm	**E90**	-	2980 x 2990
Frame - max width x height, mm ** *can be used when frame max area is not exceeded*	**$EI_2$60**	1531** x 2990**	2980 x 2990
Frame - max area, m²		5.49	8.91
Frame - max width x height, mm	**EW60**	1531 x 2990	2980 x 2990
Frame - max area, m²		5.49	8.91
Frame - max width x height, mm ** *can be used when frame max area is not exceeded*	**S_a**	1847** x 3448** (1180 x 2200)	3282** x 3468** (2080 x 2190)
Frame - max area, m²		4.67	8.20
Frame - max width x height, mm	**S_{200}**	1380 x 2760 mm	2760 x 2760 mm
Frame- max area, m²		3.46	6.91
Frame material	**all***	Mild or stainless steel	
Leaf material	**all***	Mild or stainless steel	
Finish or cover material	**E90**	Paint or PVC cover or 1,5mm laminate or timber veneer on surface and paint on the sides	
	EW60, $EI_2$60, S_a, S_{200}	Paint or PVC cover or 1,5mm laminate or timber veneer on surface and paint or PVC on the sides	
Supporting construction	**E90**	Rigid	
	EW60, $EI_2$60, S_a, S_{200}	Rigid or flexible	
Rectangular fire and smoke glass - max width x height, mm	**EW60, $EI_2$60, S_a, S_{200}**	500 x 1800	
Round fire and smoke glass - max diameter, mm	**EW60, $EI_2$60, S_a, S_{200}**	420	
Fire and smoke glass	**EW60, $EI_2$60, S_a, S_{200}**	Pyrobel 25-EI60 (AGC Glass), Contraflam EI60 (Saint-Gobain), Fireswiss Foam EI60 (Euroglas), Polflam EI60 (Polflam)	
Smoke glass	**S_a, S_{200}**	8mm hardened glass (Andres Klaasi AS)	

* - can be used with all allowed resistance to fire and smoke leakage classes that are specified in certificate no TT-PRS-093 “Appendix B” in table of “Essential characteristics of door set SMU101-EI60 and SMU201-EI60”

bmcertification

Essential characteristics of door set SMU101-EI60 and SMU201-EI60					
Classification characteristic		**Class**	**Reference to classification and test evidence**		
Resistance to fire	Integrity – E	**E15; E20; E30; E45; E60; E90**	Test reports: GTC, 59-6.2015.4; GTC, 59-5.2015.4; GTC, 59-8.2011.4; TÜVE, 304-10TMAD; GTC, 59-7.2013.4; GTC, 59-4.2015.4; GTC, 59-14.2014.4; GTC, 59-13.2014.4;	GTC, 59-12.2014.4; GTC, 59-2.2013.4; TÜVE, 302-10TMAD; TÜVE, 303-10TMAD; TÜVE, 697-17TMU; GTC, 59-16.2017.4; TÜVE, 824-19TMU; TÜVE, 652-17TML;	GTC, 59-13.2015.4; TÜVE, 307-11TMD TÜVE, 303-10TMADr; TÜVE, 304-10TMADr; TÜVE, 824-19TMU; TÜVE, 835-19TMAU TÜVE, 774-18SMU101_EI60; TÜVE, 763-18SMU101_EI60;
	Integrity and thermal insulation – EI_1	**NPD**			
	Integrity and thermal insulation – EI_2	**$EI_2$15; $EI_2$20; $EI_2$30; $EI_2$45; $EI_2$60**	Classification reports: GTC, 59-31.2015.1; GTC, 59-32.2015.1; GTC, 59-1.2012.1; GTC, 59-3.2013.1; GTC, 59-33.2015.1; GTC, 59-30.2014.1; GTC, 59-29.2014.1;	GTC, 59-28.2014.1; GTC, 59-1.2013.1; TÜVE, TEK-051/11en; TÜVE, TEK-093/13en; TÜVE, TEK-095/13en; BMTE, CR-10.2016-6; BMTE, CR-10.2016-7;	BMTE, CR-04.2018-1; BMTE, CR-04.2018-2; BMTE, CR-11.2019-2; BMTE, CR-11.2019-3; BMTE CR-11.2019-5 KIWA, 04-406-18-03_revision1
	Integrity and radiation - EW	**EW20; EW30; EW60**	Extended application reports: GTC, 59-3.2012.2; GTC, 59-2.2012.2;	BMTE, EAR-10.2016-2; BMTE, EAR-04.2018-1;	KIWA, 04-406-18-02_revision1;
Smoke leakage	Smoke leakage at ambient temperature - S_a	**S_a**	Test reports: GTC, 59-8.2015.16; GTC, 59-9.2015.16; GTC, 59-1.2014.16; SP, 3P06883;	SP, 3P00884; GTC, 59-8.2016.16; GTC, 59-9.2016.16; GTC, 59-8.2019.16;	GTC, 59-9.2019.16; GTC, 59-10.2019.16
	Smoke leakage at ambient and 200 C° temperature - S_{200}	**S_{200}**	Classification reports: GTC, 59-4.2014.1; SP, 3P03653; GTC, 59-7.2016.1;	GTC, 59-21.2016.1; GTC, 59-22.2016.1; BMTE, CR-10.2016-4;	BMTE, CR-10.2016-5; BMTE, CR-11.2019-6; KIWA, 04-406-18-03_revision1
			Extended application reports: SP, 3P08307-1;	BMTE, EAR-10.2016-3	KIWA, 04-406-18-02_revision1;
Self-closing	C	**C5**	Test reports: GTC 59-3.2017.15 GTC 59-4.2017.15	Insp, DD-146-15-001 Insp, 005-KV-19-1	Insp, 2019.08.05/1-KV-1
			Classification reports: Insp, DD-146-15-001		KIWA, 04-406-18-03_revision1
			Extended application reports:		KIWA, 04-406-18-02_revision1;

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