

Appendix B

Certificate No: TT-PRS-093
Issue No: 2 Date: 18.10.2016

Product Description			
Product name		SMU101-EI60	SMU201-EI60
Product description	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 size width x height mm	E90	-	2980 x 2990
Frame (tested frame) - max size width x height mm	EW60, EI ₂ 60	1531 x 2990 (1180 x 2190)	2980 x 2990
Frame (tested frame) - max size width x height mm	S _a	1847 x 3448 (1180 x 2200)	3282 x 3468 (2080 x 2190)
Frame - max size width x height mm	S ₂₀₀	1180 x 2200	2080 x 2190
Door frame material	all*	Mild or stainless steel	
Door leaf material	E90, EW60, EI ₂ 60	Mild or stainless steel	
	S _a , S ₂₀₀	Mild 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 window - max size width x height mm	EW60, EI ₂ 60, S _a , S ₂₀₀	500 x 1800	
	EW60, EI ₂ 60, S _a , S ₂₀₀	435 x 740	
Round fire and smoke window - max size diameter mm	EW60, EI ₂ 60, S _a , S ₂₀₀	420	
Rectangular smoke window - max width x height mm	S _a , S ₂₀₀	500 X 1800	
Fire and smoke window glass	EW60, EI ₂ 60, S _a , S ₂₀₀	Pyrobel 25-EI60, Contraflam EI60, Fireswiss Foam EI60	



Smoke window glass	S_a, S₂₀₀	8mm hardened glass (Andrese Klaasi AS)
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* - can be used with all allowed classes what are specified in Certificate TT-PRS-093 Appendix B in table of Essential characteristics of door set SMU101-EI60 and SMU201-EI60

Essential characteristics of door set SMU101-EI60 and SMU201-EI60		
Classification characteristic	Performance	Reference to classification and test evidence
Resistance to fire	Integrity – E	E15; E20; E30; E45; E60; E90
	Insulation – I ₁ (180°C max + additional thermocouples)	NPD
	Insulation – I ₂ (360°C max on frame)	I₂15; I₂20; I₂30; I₂45; I₂60
	Radiant heat flux - W	W20; W30; W60
Smoke leakage	Smoke at ambient temperature – S _a ; Smoke at 200°C – S ₂₀₀	Test reports: GTC 59-6.2015.4; GTC 59-14.2014.4; GTC 59-5.2015.4; GTC 59-13.2014.4; GTC 59-8.2011.4; GTC 59-12.2014.4; TÜV 304-10TMAD; GTC 59-2.2013.4; GTC 59-7.2013.4; TÜV 302-10TMAD; GTC 59-4.2015.4; TÜV 303-10TMAD
		Classification reports: GTC 59-31.2015.1; GTC 59-28.2014.1; GTC 59-32.2015.1; GTC 59-1.2013.1; GTC 59-1.2012.1; TÜV TEK-051/11en; GTC 59-3.2013.1; TÜV TEK-093/13en; GTC 59-33.2015.1; TÜV TEK-095/13en; GTC 59-30.2014.1; BMT CR-10.2016-6; GTC 59-29.2014.1; BMT CR-10.2016-7
		Extended application reports: GTC 59-3.2012.2; BMT EAR-10.2016-2 GTC 59-2.2012.2;
		Test reports: GTC 59-8.2015.16; SP 3P00884; GTC 59-9.2015.16; GTC 59-8.2016.16; GTC 59-1.2014.16; GTC 59-9.2016.16 SP 3P06883;
		Classification reports: GTC 59-4.2014.1; GTC 59-22.2016.1; SP 3P03653; BMT CR-10.2016-4; GTC 59-7.2016.1; BMT CR-10.2016-5
		Extended application reports: SP 3P08307-1; BMT EAR-10.2016-3

Remarks:

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

