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ARCHITECTURAL SYSTEMS



BS66

Insulated & Non - Insulated
Sliding System

• System Brochure
• Technical Properties
• System Details
• References



History

It founded its first extrusion line in 1991 to produce aluminium profiles. In 1995, electrostatic powder coating unit and foundry was opened. Burak implemented its first export in 1996. And the second extrusion line was commissioned in 1997. Extrusion lines were revised, and the foundry's capacity was increased in 1998. Developing of architectural aluminium building systems was commenced in 2002. 1,400 and 2,000 tons of extrusion lines, anodization unit CNC mechanical processing machinery were commissioned, and the 1st phase construction of 12,500 sqm Lüleburgaz plant was completed between 2003 and 2008. The foundation of Lüleburgaz plant was completed in 2011. Aksan Aluminium; that is the first extrusion company joined the group in 2012. In 2013, total 85,000 sqm Lüleburgaz plant with 65,000 sqm indoor space was completed and set into operation with 6 extrusion lines.

Product

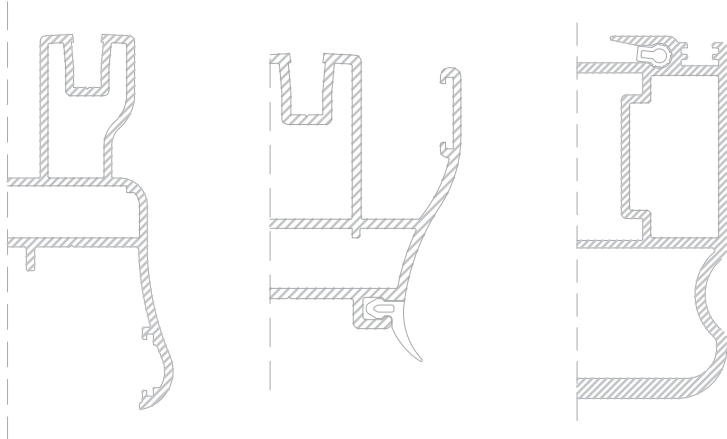
Burak Alüminyum Industrial:
Burak Alüminyum also performs special alloy aluminium profile manufacture besides standard alloy extrusion profile. Besides serving industries such as automotive, aviation industry, heating-cooling, furniture promotions and rail systems which need qualified design from A to Z, it manufactures solar energy, semi-finished and finished products composed of aluminium such as caravan, automotive, industrial fridges, and radiators.

Burak Alüminyum Architectural Systems:

Burak develops architectural solutions. Manufacturing facade, doors and windows, sliding, office partition systems, handrail profiles and their compatible accessories, Burak also manufactures aluminium composite panels via its **BURAKBOND®** and **alu-linebond®** brands and exports these products more than 70 countries.



PRODUCT CONCEPT



BG 66 "Burak Sliding 66mm" is new generation sliding system that presents two and three rails variations as both of insulated and uninsulated.

ENERGY SAVING
Subjects of environment sensitivity and energy saving become important day by day. For this reason thermal insulation specifications was become on high level in BS 66.

EASE OF MANUFACTURING
Accessories of BS 66 was was mostly standardized. These accessories used generally common with each other. BS 66 has unique construction by ease of manufacturing

INNOVATIVE DESIGN
Sliding systems are preferred particularly in wide vision area that is wanted to show and they are desired to be aesthetic. Design language with radius that was used in BS 66, bring out modern and aesthetic construction of the system. This curly style that can be seen in all system details and using thin sections in areas as such as clamp that impair the visual unity when combined; the system and structure can be integrated. Rising aesthetic lines in architectural aluminium systems means that complication of manufacturing and using. Because of these complications was planned before the first step of desing process; specifications of manufacturing and using did not waived in BS 66.

IMPROVABILITY
BS 66 was designed as the developable system concept. In this way adaptation of new system solutions can be done quickly.

INSULATED & NON - INSULATED SLIDING SYSTEM

TECHNICAL PROPERTIES

Frame Depth:	66, 79.3, 84.9, 110.4 mm
Vent Depth:	33, 36.4 mm
Profile Wall Thickness:	1,4 mm
Max. Glass Thickness:	24 mm
Insulation Bars:	16, 20 mm
Thermal Insulation Value (Uf):	4,093 W/m²K

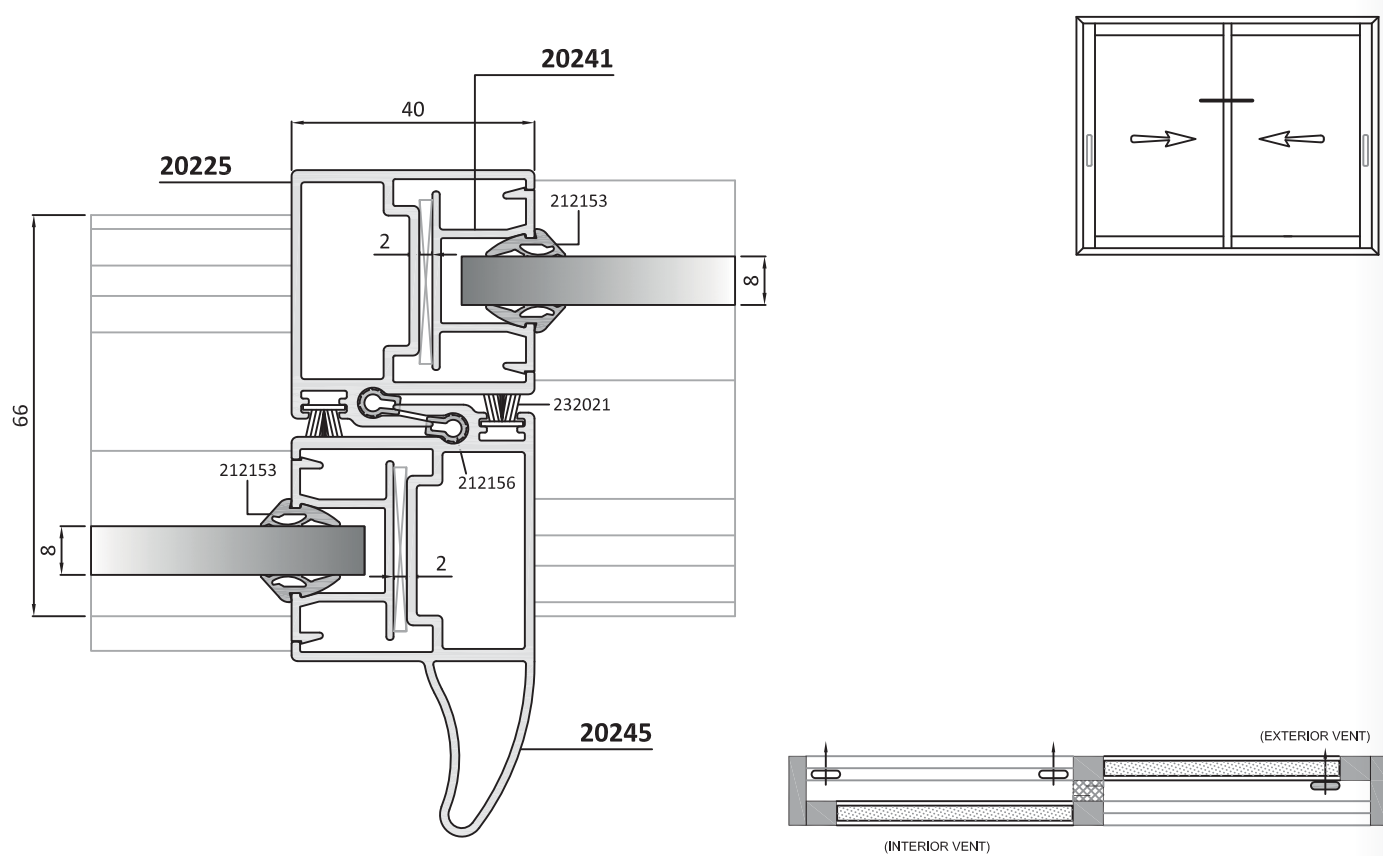
APPLICATION ALTERNATIVES

Sliding:	•
Fixed Frame:	•
Three Railed Frame:	•
Self - Insect Screen Frame:	•

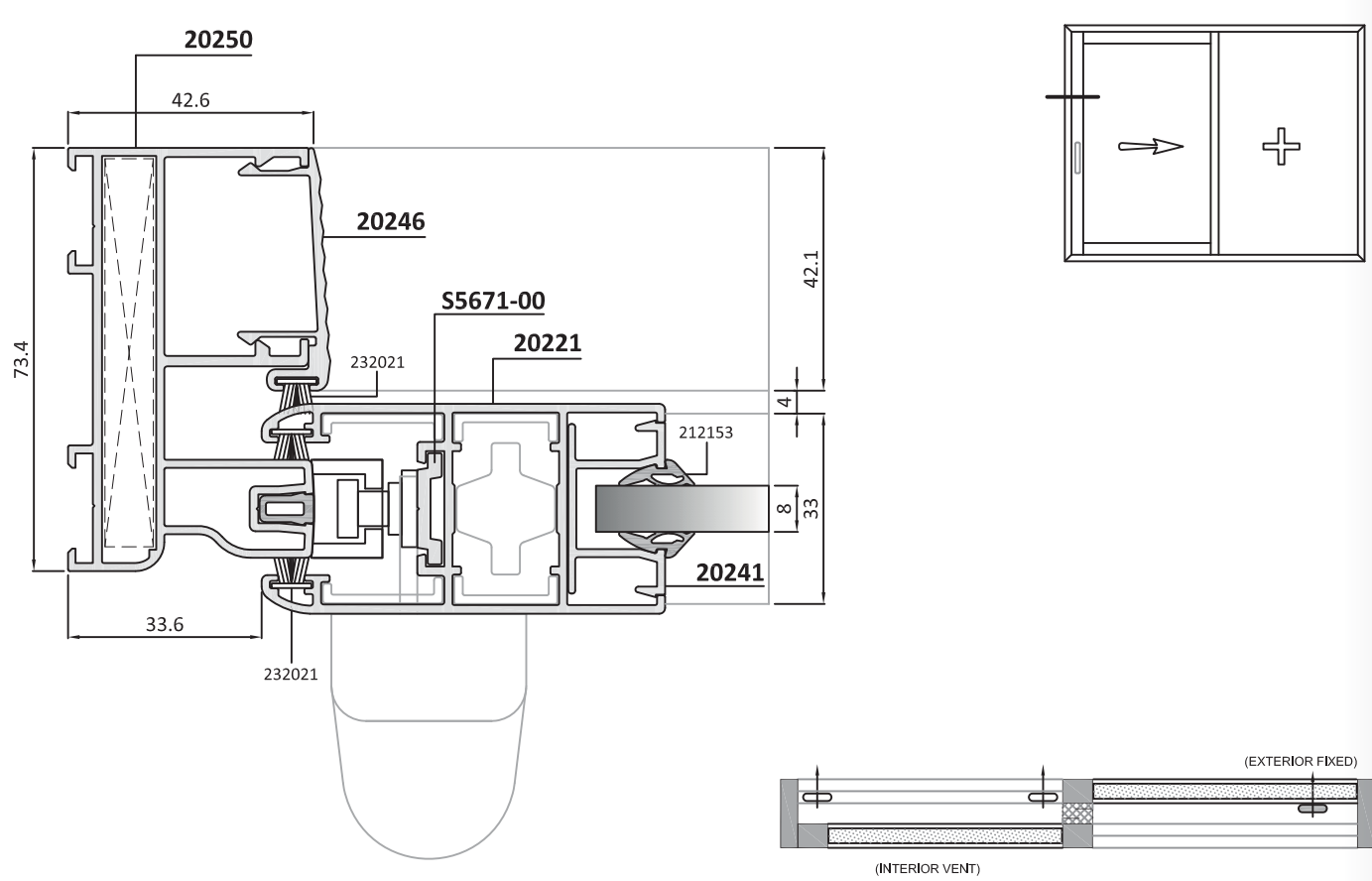
BS66



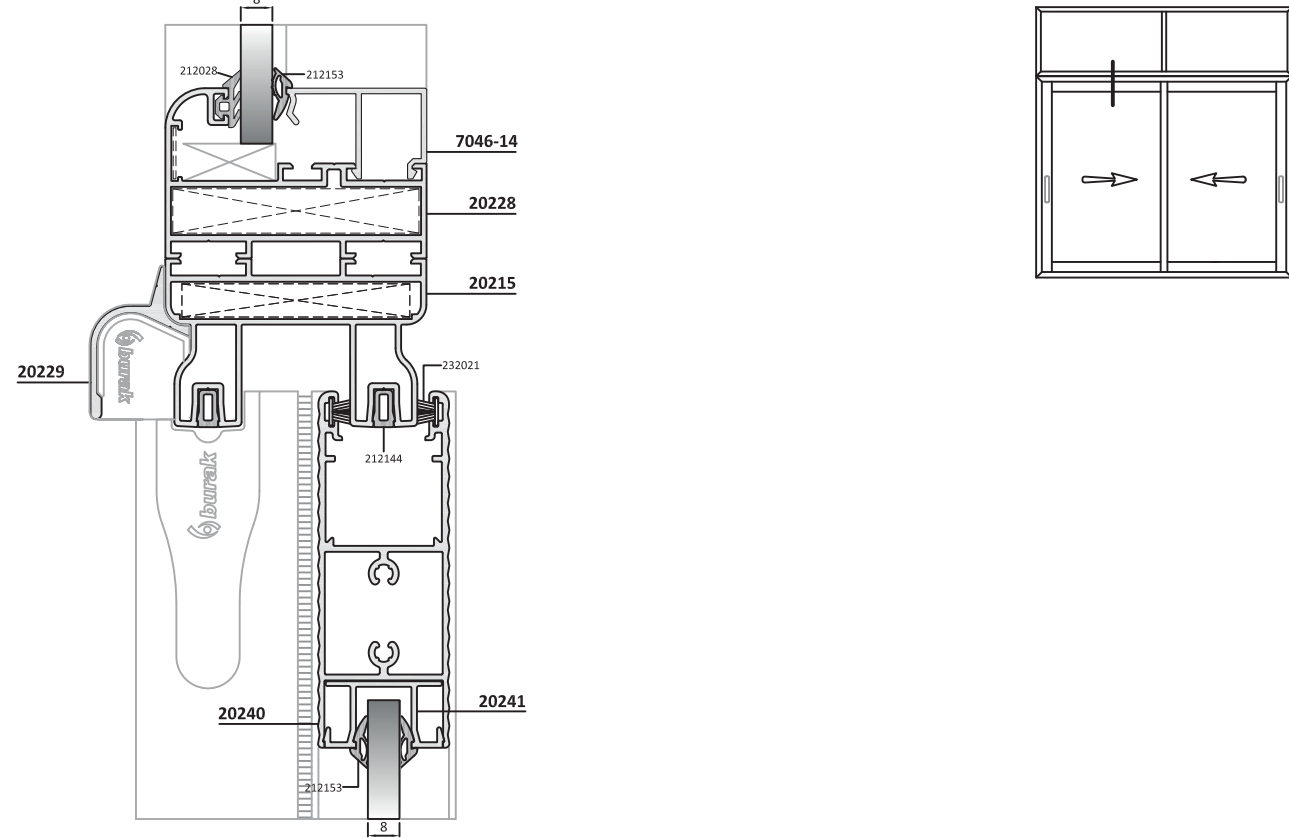
INSULATED SLIDING DOOR DATAIL WITH DOUBLE SASH



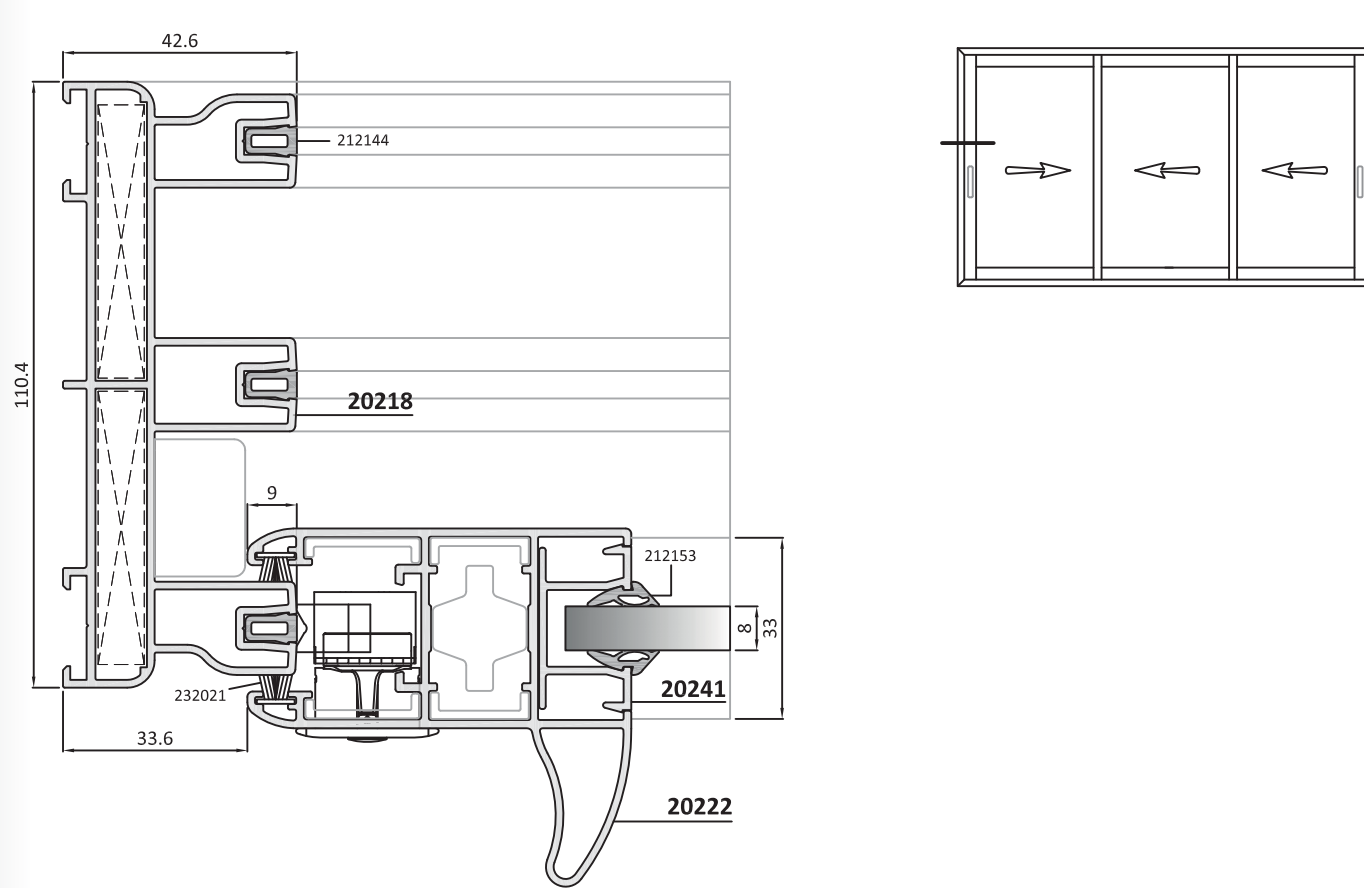
INSULATED SINGLE SASH SLIDING DOOR DETAIL



INSULATED SLIDING DOOR DETAIL WITH DOUBLE SASH



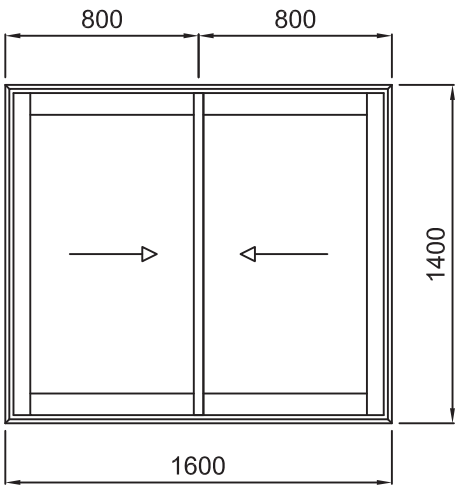
INSULATED SLIDING DOOR DETAIL WITH DOUBLE SASH



TEST REPORT PERFORMANCE VALUES



Test Sample Dimensions



Capped Curtain Wall
Width: 1600 mm
Height: 1400 mm

TEST REPORT RESULTS

AIR PERMEABILITY - EN 12207	A1 (150 Pa)		2 (300 Pa)		3 (450 Pa)		A4 (500 Pa)		
WATERTIGHTNESS - EN 12208	1A (0 Pa)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)
RESISTANCE TO WIND LOAD - EN 12210	1 (400 Pa)		2 (800 Pa)		3 (1200 Pa)		4 (1600 Pa)		5 (2000 Pa)
ACOUSTIC PERFORMANCE - EN 10140-2 EN 717-1	Rw (C; Ctr) = 35,9 (-1,3; -3,8) dB								
STATIC TORSION - EN 13115	Class 4 (350 N)								

** For futurer information, please ask for the test reports.