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ALUMAX-ULTIMATE

INTERNAL FLOATING ROOF

MATERIAL SPECIFICATIONS

Rev :06, 21.04.2013 , Kocaeli-TURKEY

ALUMAX-ULTIMATE ALUMINIUM INTERNAL FLOATING ROOF - MATERIAL SPECIFICATION

PART/ITEM	Dimensions/Thk/Size	Material Description	
		EN Code	AA Code
PONTOON/FLOATS			
Pontoons/Floats	210 mm x 2 mm Extruded Seamless Tube	AlMgSi 0,5 F20-F22	AA6060-T6
Pontoons/Floats End Caps	2,5 mm minimum thickness	AlMg3	AA5754-H26
Saddle	2,0 mm minimum thickness	AlMg3	AA5754-H26
Brackets & Straps	0,5 mm minimum thickness	1.4301 SS	AISI 304 SS SS18-8
Test Port + Plug	Al 1/4" Coupling + Stainless Steel Plug	AA5052 - AISI 304 SS	
STRUCTURE FRAME			
Rim Perispherical Profile	2,5 mm / 3 mm Extruded Special Profile	AlMgSi 0,5 F20-F22	AA6060-T6
Lower Frame Profile	3 mm Extruded Channels	AlMgSi 0,5 F20-F22	AA6060-T6
Upper Frame Profile	2 mm Extruded Channels	AlMgSi 0,5 F20-F22	AA6060-T6
SUPPORTS			
Supports Legs	Φ48 x 3 mm Extruded	AlMgSi 0,5 F20-F22	AA6060-T6
Leg Sleeves	Φ48 x 3 mm Full Extruded One Part Sleeve	AlMgSi 0,5 F20-F22	AA6060-T6
Supports Plugs/Caps	Custom Molded for Internal Fit.	PVC / NYLON (OPTIONAL TEFLON)	
DECK SHEETING			
Deck Sheets		AlMn1 (hh)	AA3003-H26
WELLS - APPURTENANCES			
Well Skirts	2,0 mm (Cover 3 mm / Flange 2 mm)	AlMg3	AA5754-H26
Slide Covers	Cover 3 mm	AlMg3	AA5754-H26
Slide Covers Fasteners	M8x30	1.4301 SS	AISI 304 SS SS18-8
Gaskets for Misc. Wells /App.	Polyethylene (Volara), Nitrile Rubber NBR , Viton or PTFE		
FASTENERS			
Bolts	M8 X 30 / M10 X 30	1.4301 SS	AISI 304 SS SS18-8
	M8 X 40 / M10 X 40	1.4301 SS	AISI 304 SS SS18-8
	M10 * 80	1.4301 SS	AISI 304 SS SS18-8
Nuts	M8 / M10	1.4301 SS	AISI 304 SS SS18-8

ALUMAX-ULTIMATE ALUMINIUM INTERNAL FLOATING ROOF SEAL SYSTEMS MATERIAL SPECIFICATION

PART/ITEM	Dimensions/Thk/Size	Material Description	
		EN Code	AA Code
MECHANICAL SHOE SEAL			
Shoe Plates	Formed Sheet 1,4 mm, 400 mm Width 3000 mm long.	AlMgSi 0,5 F20-F22	AISI 304 SS
Shoe Tension Spring	Formed spring (tempered spring) 0,7 mm thick.	1.4301 SS	AISI 304 SS
Vapour Barrier Fabric	0,3 mm thick PTFE (Teflon)		
Fabric Clamps	2 mm Extrusion Profile	AlMgSi 0,5 F20-F22	AA6060-T6
Support Brackets, Arms & Braces	Formed Sheet 1,6 mm	1.4301 SS	AISI 304 SS
Gaskets	Polyethylene (Volara) , EPDM or as required.		
Fasteners	Bolts + Nuts	1.4301 SS	AISI 304 SS SS18-8
SPRING SUPPORTED WIPER SEAL			
Wiper Type	Closed Cell Polyethylene (PE) + Covered with Teflon - Wrapper		
Wiper Cover Fabric	0,3 mm PTFE (Teflon) Fabric		
Wiper Tension Spring	Formed Spring (tempered spring) 3 mm thick.	1.4301 SS	AISI 301 SS
Vapour Barrier Fabric	0,3 mm thick PTFE (Teflon)		
Fabric Clamps	2 mm Extrusion Profile	AlMgSi 0,5 F20-F22	AA6060-T6
Gaskets	Polyethylene (Volara) , EPDM or as required.		
Fasteners	Bolts + Nuts	1.4301 SS	AISI 304 SS SS18-8
Fabric-Wiper Conn. Plates	Formed Sheets 0,5 mm	1.4301 SS	AISI 304 SS SS18-8
WIPER SEAL (SINGLE & DOUBLE)			
Wiper Type	Closed Cell Polyethylene (PE) , Polyurethane, Covered with Teflon PE Seal.		
Clamps	2 mm Extrusion Channels	AlMgSi 0,5 F20-F22	AA6060-T6
Fasteners	Bolts + Nuts	1.4301 SS	AISI 304 SS SS18-8