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ALUMAX-ROBUST

INTERNAL FLOATING ROOF

MATERIAL SPECIFICATION SHEETS

Rev :05, 05.06.2012 , Kocaeli-TURKEY

ALUMAX-ROBUST FLOATING ROOF MATERIAL SPECIFICATION

PART/ITEM	Dimensions/Thk/Size	Material Description	
		EN Code	AA Code
PONTOON/FLOATS			
Pontoons/Main Pontoons	254 mm x 2 mm Extruded Seamless Tube	AlMgSi 0,5 F20-F22	AA6061-T6
Pontoons/Rim Pontoons	254 mm x 2 mm Extruded Seamless Tube	AlMgSi 0,5 F20-F22	AA6061-T6
Pontoons/Circumferential	254 mm x 2 mm Extruded Seamless Tube	AlMgSi 0,5 F20-F22	AA6061-T6
Pontoons/Floats End Caps	2,5 mm Minimum Thickness	AlMg3	AA5754-H26
Saddles	4,0 mm Minimum Thickness (Extruded Single Piece)	AlMg3	AA6061-T6
Straps	0,5 mm Minimum Thickness	1.4301 SS	AISI 304 SS SS18-8
Test Plug	M8 mm SS Screwed Plug Teflon sealed	AISI 304 SS SS18-8	
STRUCTURE FRAME			
Rim Peripheral Profile	12" Wide , 4,0 mm / 5,0 mm Extruded Special Profile	AlMgSi 0,5 F20-F22	AA6061-T6
Lower Support Beams	3,0/4,0 mm Extruded Channel Special Profile	AlMgSi 0,5 F20-F22	AA6061-T6
Upper Support Beams	2,5/3,0 mm Extruded Channel Special Profile	AlMgSi 0,5 F20-F22	AA6061-T6
SUPPORTS			
Supports Legs	Φ48 mm x 3,0 mm Extruded Pipe	AlMgSi 0,5 F20-F22	AA6060-T6
Leg Sleeves	Φ 55 mm x 2,5 mm Extruded Pipe and T-Welded Bracket	AlMgSi 0,5 F20-F22	AA6060-T6
Leg Plugs/Caps	ATECO Special Design Standard	PVC or ABS	
DECK SHEETING			
Deck Sheets	1500 mm Wide x 0,5 mm Thickness	AlMn1 (hh)	AA3003-H16
WELLS – APPURTENANCES			
Well Skirts	Skirt 2,0 mm	AlMg3	AA5754-H26
Slide Covers	Cover 3,0 mm	AlMg3	AA5754-H26
Slide Covers Fasteners	M8 x 30 mm	1.4301 SS	AISI 304 SS SS18-8
Gaskets for Misc. Wells /App.	Polyethylene (Volara), Nitrile Rubber NBR , Viton or PTFE, Polyurethane,EPDM		
FASTENERS			
Bolts	¼" – 18 x ¾" AB Self Tapping Bolts, ¼" Bolts, 3/8" Bolts.	1.4301 SS	AISI 304 SS SS18-8
	M8 x 40 mm / M10 x 40 mm , M8 x 30 mm / M10 x 30 mm	1.4301 SS	AISI 304 SS SS18-8
Sheet Clamping Bolts	¼" – 18 x ¾" AB Self Tapping Bolts	1.4301 SS	AISI 304 SS SS18-8
Nuts	M8 / M10 , ¼" and 3/8"	1.4301 SS	AISI 304 SS SS18-8

ALUMAX-ROBUST SEAL SYSTEM MATERIAL SPECIFICATIONS

PART/ITEM	Dimensions/Thk/Size	Material Description	
		EN Code	AA Code
WIPER SEAL (SINGLE & DOUBLE) (WPE)/(WPE/T)			
Wiper Type	Closed Cell Polyethylene (PE) , covered with Teflon PE seal.		
Clamps	2 mm Extrusion Channels 30 mm x 10 mm	AlMgSi 0,5 F20-F22	AAG060-T6
Fasteners	Bolts + Nuts	1.4301 SS	AISI 304 SS SS18-8
SPRING SUPPORTED DOUBLE SEAL (DS/T)			
Seal Assembly	Closed Cell Polyethylene (PE) + covered with Teflon - wrapper		
Seal Fabric	0,3 mm PTFE (Teflon) Fabric		
Spring	formed spring (tempered) 3 mm thick.	1.4301 SS	AISI 301 SS
Vapour Barrier Fabric	0,3 mm thick PTFE (Teflon)		
Fabric Clamps	2 mm Extrusion Profile 30 mm x 10 mm	AlMgSi 0,5 F20-F22	AAG060-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
MECHANICAL SHOE SEAL (MS/T)			
Shoe Plates	Formed sheet 1,2 mm,450 mm width 2500/3000 mm long.	1.4301 SS	AISI 304 SS
Shoe Tension Spring	Formed Spring (1/4 Hardened) 1,2 mm thick. 3" Wide.	1.4301 SS	AISI 304 SS
Vapour Barrier Fabric	0,23/0,25 mm thick PTFE (Teflon) or 0,5 mm Polyurethane Fabric.		
Fabric Clamps	2 mm Extrusion Profile 30 mm x 10 mm	AlMgSi 0,5 F20-F22	AAG060-T6
Support Brackets, Arms & Braces	Formed Sheet 1,2 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
SECONDARY WIPER SEAL (SW)			
Support Plates	Formed Sheet 0,6/0,7 mm and 330 mm Wide.	1.4301 SS ¼" Hardened	
Wiper Tip & Vapor Barrier Fabric	0,23/0,25 mm	Teflon - FEP	
Wiper Tip Support	Extruded Wiper 5" Wide.	Polyurethane or Neoprene	
Secondary Clamps	2 mm Extrusion Profile 30 mm x 10 mm	AlMgSi 0,5 F20-F22	AAG060-T6
Fasteners for Seal			
Primary and Secondary	3/8", ¼", 3/8"x5" Clevis pins, #10 x 1 ¼" , Hair Pins.	1.4301 SS	AISI 304 SS
Nuts	3/8", ¼"	1.4301 SS	AISI 304 SS