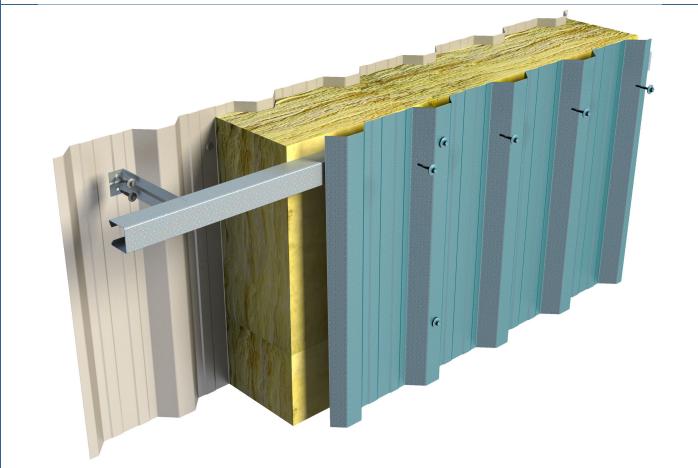
Ark Profiles Ltd: System Data Sheet



Arkclad - twin skin - wall: 06-a-Ark-Sys-03/2015 p 1 of 3



Arkclad - twin skin wall - system construction

	an train system construction
Outer profile	Arkclad 32.1000.200-0.7mm or 0.5mm-Wall. Refer to Ark product data sheet 07-Ark-Prod-
	Arkclad
Insulation	Glass or rock mineral wool quilt to BS EN 13162 and BS3533:1981, non-combustible
	Euroclass A1 to BS EN ISO 13501-1
	Thickness as System Performance table below.
Spacer	Bracket and rail spacer system. 1.5mm galvanised steel brackets to depth as System
	Performance table below, max spacing 1m. 1.25mm galvanised steel rail, interlocking end
	joints.
VCL and air barrier	Generally formed by the steel liner in building humidity classes 1-4.
Liner	Arkliner 32.1000.200-0.65mm. Refer to Ark product data sheet 02-Ark-Prod-Arkliner
Ellici	74 Killer 32:12000:200 0:03/lilli. Refer to 74 K product data sheet 02 74 K 1700 74 Killer

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Arkclad - sy	stem performand	ce data										
U value		W/m ² K	0.25	0.24	0.23	0.23		0.22		21	0.20	0.19
Spacer depth/ compressed insulation depth		mm	180	190	200	200 2		210		0	230	240
Insulation roll size		mm	200	210	220	220 2		240		0	260	270
Insulation lambda value		W/mK	0.040	0.040	0.04	0.040 0		0.040		040	0.040	0.040
Depth of wall		mm	212	222	232	232		242		2	262	272
Weight of wall		kg/m ²	16.9	17.0	17.1	17.1		17.4		.5	17.6	17.7
SRI Rw (0.7 spacer bracket/m² ,		dB	41	41	41		42		42		42	42
indicative/computer modeled)						71		12				
U value		W/m ² K	0.18	0.17	0.16	0	.15	0.1	4	0.13	0.12	0.11
	mnressed insulation denth	mm	250	270	280	+ -	00	30		350		350
Spacer depth/ compressed insulation depth Insulation roll size		mm	280	300	310		30	33		390		390
Insulation roll size		W/mK	0.040	0.040	0.040	-	040	0.0		0.037		0.032
Depth of wall		mm	282	302	312		32	33		382		382
Weight of wall		kg/m ²	17.9	18.1	18.2	1	8.5	19		20.7		27.0
SRI Rw (0.7 spacer bracket/m ² ,			42	42	42		42	4	•	45	47	40
indicative/computer modeled)		dB	43	43	43		43	44	+	45	47	48
Arkclad - sy	stem data											
Fire properties	Insulation is EuroClass A1 Liner Class 0, Topsheet Cla 02-Ark-Prod)			-			produ	uct da	ata s	heets	01-Ark-Pro	od and
Guarantees and Warranties	Ark Silver and Ark Gold. Refer to Ark technical data sheet 05-Ark-Tech "Warranties and guarantees"											
Curve options	Crimp curve to 1m minimum radius											
Fasteners, sealants	Refer to Ark product data sheets 07-Ark-Prod-Arkclad and 02-Ark-Prod-Arkliner											
Airtightness	Arkclad systems with sealed liners are inherently airtight and contribute to low building air leakage rates. The liner is the air barrier and vapour control layer and has sealed fasteners, sealed side and end laps and robust sealing at eaves, ridge and verge. Penetrations and openings must be sealed into the liner as well a into the outer sheet.									ps and		

Ark Profiles Ltd: System Data Sheet



Arkclad - tv	win skin - wall: 06-a-Ark-Sys-03/2015	p 3 of 3
Installation key requirements	Insulation must be dry when covered by the outer sheet. Insulation must fill the insulation cavity with minimal gaps around the spacer Insulation must be secured against slump. Fasteners for liner and spacer brackets are carbon steel self drillers and must have 15/16mm sealed washers Liner fixings are in every trough at end laps, ridges and eaves, alternate troughs at intermed Fasteners for outer sheets are 304 grade stainless steel with coloured heads and 16mm diar washers. Spacer brackets must have 2 fasteners per bracket. Spacer brackets max 300mm from joggle joint Isolate aluminium from galvanised steel Liners must be sealed all round, including fillers bedded in sealant	liate purlins.
Insulation	Earthwool Ecose FactoryClad 40/37/32 glass mineral wool quilt to BS EN 13162BS and BS353 combustible Euroclass A1 to BS EN ISO 13501-1 Partner company Knauf Insulation Ltd, www.knaufinsulation.co.ukw	33:1981, non-
Fasteners	Partner company EJOT UK Ltd, www.ejot.co.uk Partner company SFS intec Ltd, www.sfsintec.biz/uk Partner company Woodall Fastening Systems Ltd, www.techscrew.com Partner company QBM Distributors Ltd, www.qbmdistributors.co.uk	