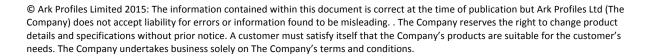
Ark Profiles Ltd: Product Data Sheet



Arkdeck 32.200	0.1000:	04-a-Ark	c-Prod-0	3/2015	5						p 1 of 2	
Profile dimensions												
GBBM												
Cover width												
1000mm												
Depth												
22												
32mm						1						
Pitch												
200												
200mm												
Colour side	Col	our sid	e									
A = to top side	A =	to top	side/	broa	ad fla	at						
B = to underside		to und					t					
Profile dimensions	Cover wid						: 32mm			h: 200m		
Material		Plain galv	/anised	steel, S	5280G	D+Z2	75/MZ150/Z	ZA100: EN	10326.	Plain gal	vanised	
	finish. 0.70 RAI 90	010· RAI 9	010 galv	/anised	d steel	l 5220	OGD+Z275/N	M7150/7A	100· FN	10326	15micron	
	RAL9010 p		_			., 522	303 - 22 / 3 / 1	VIL 130, L.	100. 1.4	10320.		
CE reference	Ark.DoP.0											
Section properties		Weight Broad flange in Narrow flange in						Rea	Reaction, Shear			
		2	comp	compression			compressi					
	t _N mm	kg/m ²		M _{c,Rk,F}		()	M _{c,Rk,F}	l _{eff} (cm ⁴ /m	R _{w,F}	Rk,B	V _{w,Rk}	
	0.70	6.9	(kNm/m) 1.116		(cm ⁴ /m) 9.379		(kNm/m) 1.035	9.267	9.2	/m)	(kN/m) 33.78	
	RAL9010	0.5	1.110	1.110		,	1.033	3.207	3.2	02	33.70	
	0.70	6.9	1.405	1.405		1	1.26	8.964	10.	381	42.993	
	plain											
Structural:	t _N mm	1.0m	1.2m	1.4m		L.6m	1.8m	2.0m	2.2m	2.4m	2.6m	
Single spans Positive (gravity) loads	0.70	5.95	4.13	2.81		*	*	*	*	*	*	
kN/m ²	0.70	6.92	4.35	2.74	1	L.84	1.29	*	*	*	*	
	plain	0.52	٠.১১	2.74	1		1.23					
Structural:	t _N mm	1.0m	1.2m	1.4m	n 1	L.6m	1.8m	2.0m	2.2m	2.4m	2.6m	
Single spans	0.70	5.52	3.83	2.82		*	*	*	*	*	*	
negative (wind uplift) loads	RAL9010											
kN/m ²	0.70	6.72	4.67	3.43	2	2.44	1.71	*	*	*	*	
	plain											





Ark Profiles Ltd: Product Data Sheet



Arkdeck 32.200.10			_		1.6	1.0			1	p 2 of 2	
Structural:	t _N mm	1.0m	1.2m	1.4m	1.6m	1.8m	2.0m *	2.2m *	2.4m *	2.6m	
Double spans	0.70	3.25	2.47	1.95	1.58	1.31	^	^	*	*	
positive (gravity) loads kN/m ²	RAL9010	2.70	2.00	2.20	1.07	1 55	1 21	1.12	*	*	
KIN/III	0.70 plain	3.79	2.90	2.30	1.87	1.55	1.31	1.12			
Structural:	t _N mm	1.0m	1.2m	1.4m	1.6m	1.8m	2.0m	2.2m	2.4m	2.6m	
Double spans	0.70	5.95	4.13	3.04	2.33	1.84	*	*	*	*	
negative (wind uplift) loads	RAL9010										
kN/m ²	0.70 plain	7.49	5.2	3.82	2.93	2.31	1.87	1.55	*	*	
 Structural:	t _N mm	1.0m	1.2m	1.4m	1.6m	1.8m	2.0m	2.2m	2.4m	2.6m	
Triple spans	0.70	3.86	2.95	2.34	1.9	1.58	*	*	*	*	
positive (gravity) loads kN/m ²	RAL9010	3.00	2.55	2.5	1.5	1.50					
	0.70 plain	4.5	3.45	2.74	2.24	1.86	1.57	1.18	0.91	*	
Structural:	t _N mm	1.0m	1.2m	1.4m	1.6m	1.8m	2.0m	2.2m	2.4m	2.6m	
Triple spans	0.70	7.44	5.17	3.80	2.91	2.30	*	*	*	*	
negative (wind uplift) loads	RAL9010										
kN/m ²	0.70 plain	9.37	6.50	4.78	3.66	2.85	2.08	1.56	1.20	*	
Fire properties	Class 0 or 'l										
	Regulations. Reaction to fire classification A1 to BS EN 13501-1 End bearing >40mm, intermediate> 60mm. Loads in kN/m², including a load factor of 1.5. Table excludes profile self weight. Deflection limits L/200 for positive loads, L/150 for negative (wind) loads. * indicates limit by 2kN/m construction line load.										
Load/span table criteria	Loads in kN Deflection	/m², inc limits L/2	luding a l 200 for p	oad facto ositive lo	or of 1.5. ads, L/15	0 for neg	-		_		
Load/span table criteria Curve options	Loads in kN Deflection	/m², inc limits L/2 limit by	luding a l 200 for p 2kN/m c	oad facto ositive lo onstructi	or of 1.5. ads, L/15 on line lo	0 for neg ad.	ative (wir		_		
	Loads in kN Deflection * indicates	/m², inc limits L/2 limit by le: n/a. A arbon ste arbon st	luding a l 200 for p 2kN/m co Across pr eel or A2 eel or A2	oad facto ositive lo onstructi ofile nom stainless	or of 1.5. ads, L/15 on line lo ninally 2m steel 5.50 s steel 5.50	0 for neg ad. n, site for mm \emptyset , 10	ative (wirmed. $6 \text{mm } \varnothing \text{ s}$	nd) loads. ealer was	sher.	vasher,	
Curve options Fastener types	Loads in kN Deflection * indicates Along profi Primary: Ca Stitchers: C	/m², inc limits L/2 limit by le: n/a. A arbon ste arbon st s specifie	luding a l 200 for p 2kN/m co Across propertion A2 reel or A2 red by the ninimum) 30mm.	oad facto ositive lo onstructi ofile nom stainless stainless architect	or of 1.5. ads, L/15 on line lo ninally 2m steel 5.5 s steel 5.5 t. ough mini	0 for neg ad. n, site for mm Ø, 10 5mm or 6	ative (wind med. for \emptyset so 0.3 mm \emptyset , do if requals	ealer was 16mm Ø	sher. Ö sealer w	s. Edge	
Curve options	Loads in kN Deflection * indicates Along profi Primary: Ca Stitchers: C or rivets, as End laps (1) distance m	/m², inc limits L/2 limit by le: n/a. A rbon ste arbon st s specifie 00mm m inimum n	luding a lagged part of the lagg	oad facto ositive lo onstructi ofile nom stainless stainless architect - 1No/tro entres un	or of 1.5. ads, L/15 on line lo ninally 2m steel 5.5i s steel 5.5i t. ough mini	0 for neg ad. n, site for mm Ø, 10 5mm or 6 imum, 2N ulations r	med. Smm Ø s .3mm Ø, lo if requ	ealer was 16mm Ø ired by ca	sher. Ö sealer w alculation (diaphrag	s. Edge gm).	
Curve options Fastener types Fastener frequency	Loads in kN Deflection * indicates Along profi Primary: Ca Stitchers: C or rivets, as End laps (1 distance m Side laps- 4	/m², inc limits L/2 limit by le: n/a. A arbon ste arbon st s specifie 00mm m inimum 50mm n	luding a lagonia luding a luding a lagonia luding a luding	oad facto ositive lo onstructi ofile nom stainless stainless architect - 1No/tro entres un	or of 1.5. ads, L/15 on line lo ninally 2m steel 5.5i s steel 5.5 t. ough mini nless calcu y the vcl	0 for neg ad. n, site for mm Ø, 10 5mm or 6 imum, 2N ulations r	med. 5mm Ø s .3mm Ø, Io if requequire other.	ealer was 16mm Ø ired by ca herwise (sher. Ö sealer walculation (diaphragensealed.	s. Edge m). Filler	
Curve options Fastener types Fastener frequency	Loads in kN Deflection * indicates Along profi Primary: Ca Stitchers: Co or rivets, as End laps (1) distance m Side laps- 4	/m², inc limits L/2 limit by le: n/a. A arbon ste arbon st s specifie 00mm m inimum 50mm n	luding a legal property of the legal propert	oad factors on the construction of the normal stainless architect of the construction	or of 1.5. ads, L/15 on line lo ninally 2m steel 5.5i s steel 5.5 t. ough mini nless calcu y the vcl ed. Web p	0 for neg ad. n, site for mm Ø, 10 5mm or 6 imum, 2N ulations r membrar perforate	med. 5mm Ø s .3mm Ø, Io if requequire other.	ealer was 16mm Ø ired by ca herwise (sher. Ö sealer walculation (diaphragensealed.	s. Edge m). Filler	
Curve options Fastener types Fastener frequency Sealants	Loads in kN Deflection * indicates Along profi Primary: Ca Stitchers: C or rivets, as End laps (1 distance m Side laps- 4 The air bard blocks bedded in s Max pack v	/m², inc limits L/2 limit by le: n/a. A arbon ste arbon st s specifie 00mm m inimum 50mm n ded in se sealant t veight 2.	luding a lagger of the lagger	oad facto ositive lo onstructi ofile nom stainless stainless architect - 1No/tro entres un rovided b ist be use derside a	or of 1.5. ads, L/15 on line lo ninally 2m steel 5.5 s steel 5.5 t. ough mini nless calcu y the vcl ed. Web p nd topsid	o for neg ad. n, site for mm Ø, 10 5mm or 6 imum, 2N ulations r membrar perforated e.	med. 5mm Ø s .3mm Ø, lo if requ equire ot ne. Deck l d deck wi	ealer was 16mm Ø ired by ca herwise (aps are u	sher. alculation (diaphrag	s. Edge m). Filler cks	
Curve options Fastener types Fastener frequency	Loads in kN Deflection * indicates Along profi Primary: Ca Stitchers: Co or rivets, as End laps (1) distance m Side laps- 4 The air bard blocks bedded in s Max pack v haulage cos	/m², inc limits L/2 limit by le: n/a. A arbon ste arbon ste sepecifie 00mm m inimum 50mm n ded in se sealant t veight 2.	luding a lagonia luding a lud	oad factors ositive lo construction of le nomestainless estainless architecter entres un covided bust be usederside a er pack v	or of 1.5. ads, L/15 on line lo ninally 2m steel 5.5i s steel 5.5 t. ough mini nless calcu y the vcl ed. Web p nd topsid veights or	o for neg ad. n, site for mm Ø, 10 5mm or 6 imum, 2N ulations r membrar perforated e.	med. 5mm Ø s .3mm Ø, lo if requ equire ot ne. Deck l d deck wi	ealer was 16mm Ø ired by ca herwise (aps are u	sher. alculation (diaphrag	s. Edge m). Filler cks	
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