ARK Profiles Ltd: Product Data Sheet



ARKzip 65	.435.7.St	teel: 13-e	-ARK-Pr	rod-03_	_2017					1 of 2
Profile depth	65mm				Profile wi	idth		4	35mm	
Profile depth Weight: kg/m2	65mm 7.54kg/m ²				Profile wi Non Frag ACR[M]0	ility to			35mm Class B	
		in Tata Colorco	Doat HPS	200 Uli	Non Frag ACR[M]0	ility to 01:2014	G. Cold	C	Class B	rd range.
Weight: kg/m2	7.54kg/m ²	in Tata Colorco	Doat HPS		Non Frag ACR[M]0 tra®/ Tata (ility to 01:2014		C purs as	Class B	-
Weight: kg/m2 Material	7.54kg/m ² 0.7mm steel in Paint finish			Life e inlan	Non Frag ACR[M]0 tra®/ Tata (xpectancy d	ility to 01:2014 Colorcoat® Lo years (roofin coastal	ig)	ours as Agre	Class B s Tata standar ement referer	-
Weight: kg/m2 Material	7.54kg/m ² 0.7mm steel in Paint finish Tata Colorcoa	at HPS200 Ultr		Life e inland 30 - 4	Non Frag ACR[M]0 tra®/Tata (xpectancy d	ility to 01:2014 Colorcoat® Lu years (roofin coastal 25 – 30 (11	ig) km)	Ours as Agre	Class B s Tata standa ement referer 7PS8i1a	-
Weight: kg/m2 Material	7.54kg/m ² 0.7mm steel in Paint finish Tata Colorcoa Tata Colorcoa	at HPS200 Ultr at® LG	a®	Life e inland 30 - 4 15 - 2	Non Frag ACR[M]0 tra®/ Tata (xpectancy d 0 25	ility to 01:2014 Colorcoat® Le years (roofin coastal 25 – 30 (11 10 - 20 (2k	ig) km)	Ours as Agre	Class B s Tata standar ement referer	-
Weight: kg/m2 Material Durability	7.54kg/m ² 0.7mm steel in Paint finish Tata Colorcoa Tata Colorcoa Refer to http:,	at HPS200 Ultr at® LG ://www.colorc	a® coat	Life e inland 30 - 4 15 - 2	Non Frag ACR[M]0 tra®/ Tata (xpectancy d 0 25	ility to 01:2014 Colorcoat® Le years (roofin coastal 25 – 30 (11 10 - 20 (2k	ig) km)	Ours as Agre	Class B s Tata standa ement referer 7PS8i1a	-
Weight: kg/m2 Material	7.54kg/m ² 0.7mm steel in Paint finish Tata Colorcoa Tata Colorcoa	at HPS200 Ultr at® LG ://www.colorc	a® coat	Life e inland 30 - 4 15 - 2	Non Frag ACR[M]0 tra®/ Tata (xpectancy d 0 25	ility to 01:2014 Colorcoat® Le years (roofin coastal 25 – 30 (11 10 - 20 (2k	ig) km)	Ours as Agre	Class B s Tata standa ement referer 7PS8i1a	-
Weight: kg/m2 Material Durability	7.54kg/m ² 0.7mm steel in Paint finish Tata Colorcoa Tata Colorcoa Refer to http:,	at HPS200 Ultr at® LG ://www.colorc	ra® coat 4782	Life e inland 30 - 4 15 - 2 online	Non Frag ACR[M]0 tra®/ Tata (xpectancy d 0 25	ility to 01:2014 Colorcoat® Le years (roofin coastal 25 – 30 (11 10 - 20 (2k	ig) km) im)	Agree 2717 2717	Class B s Tata standa ement referer 7PS8i1a	-
Weight: kg/m2 Material Durability CE references	7.54kg/m ² 0.7mm steel in Paint finish Tata Colorcoa Tata Colorcoa Refer to http:, ARK.DoP.022,	at HPS200 Ultr at® LG ://www.colorc , 023: BS EN 14	coat 4782 Rib ir M _{c,Rk}	Life e inland 30 - 4 15 - 2 online	Non Frag ACR[M]0 tra®/ Tata (xpectancy d 0 25 .com for me ression I _{eff}	ility to 01:2014 Colorcoat® Le years (roofin coastal 25 – 30 (11 10 - 20 (2k ore detail.	rg) (m) (m) hpress	Cours as Agree 2717 2717	Class B s Tata standar ement referen 7PS8i1a 7ps3i1a Reaction R _{w,Rk,B}	nces
Weight: kg/m2 Material Durability CE references	7.54kg/m ² 0.7mm steel in Paint finish Tata Colorcoa Tata Colorcoa Refer to http:, ARK.DoP.022, Thickness	at HPS200 Ultr at® LG ://www.colorc , 023: BS EN 14 Weight	ra® coat 4782 Rib ir	Life e inland 30 - 4 15 - 2 online	Non Frag ACR[M]0 tra®/ Tata (xpectancy d to 25 .com for me ression	ility to 01:2014 Colorcoat® Le years (roofin coastal 25 – 30 (11 10 - 20 (2k ore detail.	rg) (m) (m)	Cours as Agree 2717 2717	Class B s Tata standar ement referer 7PS8i1a 7ps3i1a Reaction	Detachment

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CE

Structural: positive/gravity	Span	1.0m	1.1m	1.2m	1.3m	1.4m	1.5m	1.6m	1.7m	1.8m	
loads: variable loads factor 1.5, deflection L/200.	Span	1.011	1.111	1.2111	1.511	1.4111	1.5111	1.011	1.711	1.011	
Multi spans	Load: kN/m ²	4.73	4.13	3.64	3.23	2.89	2.61	2.36	2.15	1.97	
Structural: negative/uplift loads: variable loads factor 1.5, deflection L/90.	Span	1.0m	1.1m	1.2m	1.3m	1.4m	1.5m	1.6m	1.7m	1.8m	
Multi spans.	Load: kN/m ²	1.81	1.65	1.51	1.39	1.29	1.21	1.13	1.07	1.01	
Fire properties	Reaction to fire: HPS200 Ultra: EN14782:06:5.1.2:C-S2,d0, LG: C-S3,d0 External fire performance: EN14782:06:5.1.2: Class Broof (t1), Class Broof (t2) Class Broof (t3) and Class Broof (t4)										
Curve options	Natural curve to 60m minimum radius. Crimp curve to 1m minimum radius										
Gauging	Straight s	heets: 43	5mm, fact	tory curve	d sheets:	435mm, s	ite curvec	l sheets: 4	40mm		
Fastener types	Primary: 80mm (standard) 140mm (check availability) halter with 2No A2 stainless steel 5.5mm \emptyset fasteners. End distances 100mm-300mm (sheet end to halter centre line).										
Fastener frequency	Halters at every rib, every spacer/purlin. Side laps, mechanically seamed, no sealant Fixed point at one position within sheet length.										
Installation key requirements	Refer to ARKzip installation guidelines- datasheet 31 and 32Halter brackets have 2No 304 grade stainless steel fasteners plus an isolating EPDM seal.Isolate aluminium from galvanised steelARKzip requires a single fixed point per sheet, normally at the ridge or crown of a curved roof.Zip sheets as laid.Increase halter gauge by 5mm for natural curve sheetsNote impact on AZ50/435 module Vs liner if rooflights to be installedSet zipping tool to 20mm rib top diameterClose ribs by hand pliers at each sheet end before zipping. Protect paint finishes with a ribclothWalk on ARKzip ribsUse ARKzip ridge/ eaves and verge detailing and components.Allow 1.2xLmm, min 20mm gap at eaves stiffener angle.Turn sheets down at eaves at pitches < 10°										
Reference/ Standards	Structural performance – Oxford Brookes University assessment 2015. BS EN 1993.1.3.2006					BS EN 508-2:2000 BS EN 14782 BS EN 485 BS 5427:16					
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