



EC Declaration of Performance

John Gunn & Sons Ltd  
Bower Quarry, Halkirk, Caithness KW12 6UY  
13  
Certificate No. 0086-CPR-599189

EN 13108-5 [Stone Mastic Asphalt for roads and other trafficked areas] Annex ZA  
SMA 10 Gunntex 40/60 [PD 6691:2015+A1:2016 Table D1]  
ACP Titan 1000 Asphalt Plant  
Mix Code: 13

Mix Grading (% Passing)	Sieve	Recent Mean	Target	Spec. Range
	14mm	100	100	98 – 100
	10mm	99	96	88 – 100
	6,3mm	48	46	40 - 54
	2mm	29	30	24 – 36
	0,063mm	10,2	10	8,0 – 12,0
<b>Binder Content (%)</b>		6,1	6,2	5,6 – 6,8
<b>Temperature of the mixture (°C)</b>		40/60 Pen		150 – 190
<b>Void Content</b>				
- maximum				V <sub>max</sub> NR
- minimum				V <sub>min</sub> NR
<b>Water Sensitivity</b>				ITSR NR
<b>Resistance to abrasion to studded tyres</b>				ABR NR
<b>Stiffness</b>				
- maximum				S <sub>min</sub> NR
- minimum				S <sub>max</sub> NR
<b>Resistance to permanent deformation</b>				f <sub>max</sub> NR

**Course & Fine Aggregate :** Crushed Rock ex Bower Quarry Aggregate Plant  
**Filler :** Reclaimed ex Bower Quarry Asphalt Plant  
Imported Filler ex Highland Lime Co.

CE Certificate of Conformity with EN 13108-5:2016 available on request.

Signed :

David D. Sutherland, Director

Valid From : 01/04/2019  
Issued : 01/05/2019



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EN 13108-5 [Stone Mastic Asphalt for roads and other trafficked areas] Annex ZA  
SMA 14 Gunntex 40/60 [PD 6691:2015+A1:2016 Table D1]  
ACP Titan 1000 Asphalt Plant  
Mix Code: 14

Mix Grading (% Passing)	Sieve	Recent Mean	Target	Spec. Range
	20mm	100	100	98 - 100
	14mm	94	96	88 - 100
	10mm	58	57	50 - 64
	6,3mm	39	37	30 - 44
	2mm	25	23	17 - 29
	0,063mm	8,1	9	7,0 - 11,0
<b>Binder Content (%)</b>		6,0	5,9	5,3 - 6,5
<b>Temperature of the mixture (°C)</b>		40/60 Pen		150 - 190
<b>Void Content</b>				
- maximum				V <sub>max</sub> NR
- minimum				V <sub>min</sub> NR
<b>Water Sensitivity</b>				ITSR NR
<b>Resistance to abrasion to studded tyres</b>				ABR NR
<b>Stiffness</b>				
- maximum				S <sub>min</sub> NR
- minimum				S <sub>max</sub> NR
<b>Resistance to permanent deformation</b>				f <sub>cmax</sub> NR
<b>Course &amp; Fine Aggregate :</b>	Crushed Rock ex Bower Quarry Aggregate Plant			
<b>Filler :</b>	Reclaimed ex Bower Quarry Asphalt Plant Imported Filler ex Highland Lime Co.			

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