

## ASPHALT DATA SHEET

Date of Issue: 09/03/2019		Date of Amendment:			Expiry date: 09/03/2024					
Product Designation and Categories:		HALO AC 32 HDM BASE 40/60 DES / HALO AC 32 DENSE BASE 40/60 DES								
Specification:		EN 13108 – 1								
Product Code:		120A104DZHA / 120A103DZHA								
Originating Production Unit:		BREDBURY			Laboratory Design Ref:		S78998			
Mixing Plant / Plants Identification:		BREDBURY ASPHALT PLANT (D063)								
Constituents	Source/Type	Fine s	FI	LA	PS V	AAV	Density	Water absorption	Magnesium Sulphate Soundness	Volume Stability
Coarse Aggregate	Hendre Limestone	f <sub>nr</sub>	<FI35	23	37	11	2.67	1.0	1	-
Fine Aggregate	Hendre Limestone	f <sub>nr</sub>					2.66	0.5		
Additive	WMA Evotherm									
Filler Aggregate	Limestone / Reclaimed									
Bitumen	Penetration 40/60									
(RA) Granulated Reclaimed Asphalt	0/20mm Granulated Asphalt									
Product Properties	Details		Test Sieve		Targets & Specification % Passing					
Average in situ air void content	<b>3.4%</b>	<b>Vmax7%</b>	1.4D - 40mm		98-100%	100				
Average air void content at refusal	<b>1.1%</b>	<b>Vmin 0.5%</b>	D - 31.5mm		89-100%	98				
Wheel tracking result & classification 1,2 or 3 60°C Procedure B	<b>WTS<sub>AIR</sub> 0.1</b> PRD <sub>AIR</sub> 3.5% RD <sub>AIR</sub> 2.4	<b>WTS<sub>AIR</sub> &lt;1.0</b> PRD <sub>AIRNR</sub> RD <sub>AIRNR</sub>	D/2 / CCS – 20mm		76-94%	85				
ITSM Stiffness category	<b>Smin1 800 (1 800 GPa) 5414</b>		6.3mm			54				
SATS	>80%		2mm		23-37%	30				

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Maximum mix density	2.543 Kg/m <sup>3</sup> .	CFS – 0.250mm	8-18%	13
Refusal	2.517 Kg/m <sup>3</sup> .	0.063um	5-11%	8
Bulk Density	2.475 Kg/m <sup>3</sup> .	Binder	3.2 – 4.4 %	3.8
		Temp Max °C	170	