

## ASPHALT DATA SHEET

Date of Issue: 09/03/2019		Date of Amendment:			Expiry date: 09/03/2024					
Product Designation and Categories:		HALO AC 20 HDM BIN 40/60 DES / HALO AC 20 DENSE BIN 40/60 DES								
Specification:		EN 13108 – 1								
Product Code:		120A206DZHA / 120A205DZHA								
Originating Production Unit:		BREDBURY			Laboratory Design Ref:		S78999			
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	Tunstead Limestone	f <sub>nr</sub>	<FI35	23	37	11	2.67	1.0	1	-
Fine Aggregate	Tunstead Limestone	f <sub>nr</sub>					2.66	0.5		
Additive	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>2.6%</b>	<b>Vmax7%</b>	1.4D - 31.5mm		98-100%	100				
Average air void content at refusal	<b>0.9%</b>	<b>Vmin 0.5%</b>	D - 20mm		86-100%	95				
Wheel tracking result & classification 1,2 or 3 60°C Procedure B	<b>WTS<sub>AIR</sub> 0.1</b> PRD <sub>AIR</sub> 4.7% RD <sub>AIR</sub> 3.2	<b>WTS<sub>AIR</sub> &lt;1.0</b> PRD <sub>AIRNR</sub> RD <sub>AIRNR</sub>	D/2 / CCS – 14mm		67-85%	76				
ITSM Stiffness category	<b>Smin1 800 (1 800 GPa) 5085</b>		6.3mm			53				
SATS	>80%		2mm		23-37%	30				

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Maximum mix density	2.536 Kg/m <sup>3</sup> .	CFS – 0.250mm	8-18%	13
Refusal	2.513 Kg/m <sup>3</sup> .	0.063um	4-10%	7
Bulk Density	2.470 Kg/m <sup>3</sup> .	Binder	3.6 – 4.8 %	4.2
		Temp Max °C	170	