



# TONKIN MATERIALS TESTING LIMITED

The Materials Laboratory  
25A New North Road, Exmouth, Devon. EX8 1RU  
Tel/Fax: 01395 222460 Mobile: 07860 835099



## TEST CERTIFICATE

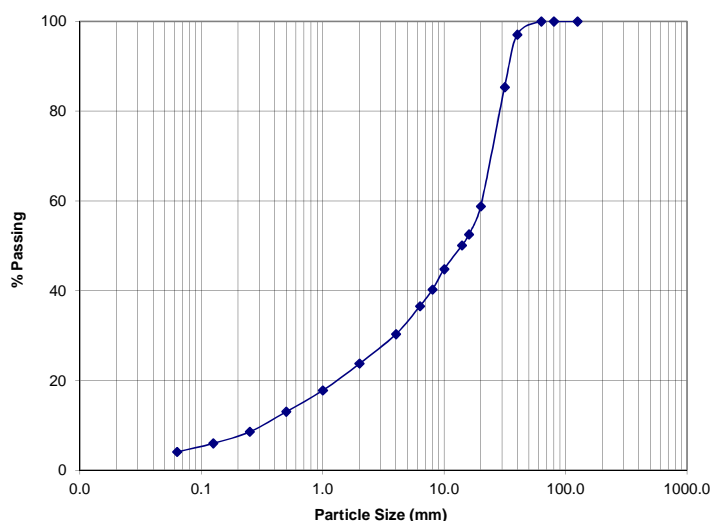
Determination of particle size distribution - sieving method in accordance with BS EN 933-1:2012 (washing and sieving method) and Testing for constituent materials in recycled aggregate in accordance with BS EN 933-11:2009

Client: Dre  
Contract: Challonsleigh Farm Recycling Facility, Lee Mill  
Location: Stockpile designated: DreBlend  
Material: Type 1 Granular sub-base  
Specification: SHW Series 800 clause 803 Type 1 unbound mixture  
Supplier: Recycled by client  
Source: Recycled - various unknown sources

Contract Ref: 19/106  
Report No: 19/106/RAC/003  
Sample No: 19/106/A/003  
Date sampled: 26/09/2019  
Date received: 26/09/2019  
Dates tested: 27/09/2019  
to 07/10/2019  
Sampled by: A Meecham  
Sample Cert: Available

BS EN 933-2 Test sieve (mm)	Passing (%)	Specification	
125.0	100		
80.0	100		
63.0	100	100	100
40.0	97		
31.5	85	75	99
20.0	59		
16.0	53	43	81
14.0	50		
10.0	45		
8.0	40	23	66
6.3	37		
4.0	30	12	53
2.00	24	6	42
1.00	18	3	32
0.500	13		
0.250	9		
0.125	6		
0.063	4.1	0	9

Particle Size Distribution Chart



	Percentage by mass	Specification
Material Retained on 8 mm sieve passing through 16 mm sieve	13	7 - 30
Material Retained on 4 mm sieve passing through 8 mm sieve	10	7 - 30

Determination of water content by drying in a ventilated oven - BS EN 1097-5:2008 9.5

Remarks: 1. The sample tested complies with the above specified requirements

Report to: Damien Pemberton  
Dre  
Falcon Business Centre  
Falcon House  
Eagle Road  
Langage  
Plymouth  
PL7 5JY

Authorised Signatory:  
A Meecham - Materials Technician

Signed:

Date of issue: 07 October 2019



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Drying temperature (°C)			105	
Dry mass of sample (g)			20699	
Corrected mass of test portion (after material > 63mm and < 4mm removed) (g):			14427	
Class	Material	Percentage present	Category	Specification
Rc	Concrete, concrete products, mortar, concrete masonry units	58	Rc <sub>50</sub>	Rc <sub>NR</sub>
Rc + Ru + Rg	Rc + Ru ( Unbound Aggregate, natural stone, hydraulically bound mixtures) + Rg	81	Rcug <sub>70</sub>	Rcug <sub>NR</sub>
Ru	Unbound Aggregate, natural stone, hydraulically bound mixtures	23	Not defined	Rcug <sub>NR</sub>
Rb	Clay masonry units, calcium silicate masonry units, aerated non floating concrete masonry	6	Rb <sub>10-</sub>	Rb <sub>NR</sub>
Ra	Bituminous Materials	13	Ra <sub>20-</sub>	Max Ra <sub>50</sub>
Rg	Glass	0	Rg <sub>2-</sub>	Max Rg <sub>25</sub>
X	Other: Cohesive(ie. Clay and soil), metals, non floating wood, plastic, rubber, gypsum plaster	0	X <sub>1-</sub>	Max X <sub>1-</sub>
FL	Floating material present (cm <sup>3</sup> /kg)	0.0	FL <sub>5-</sub>	FL <sub>NR</sub>

Description of Category X Material found:	None present
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Remarks: 1. Categorisation on Ru is not defined in Table 12 of BS EN 13242:2002+A1:2007.  
2. The above testing is carried out as specified in SHW Clause 710.  
3. BS EN 13242:2013 (withdrawn) Annex A, source code A4 and P.

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