WOLLERT QUARRY

CITY WEST WATER PIPE BEDDING

Issue Date: 03/04/2014

WSAA PIPE BEDDING

SUMMARY INFORMATION

SOURCE: **HANSON WOLLERT**
PRODUCT: **5mm WSAA DUST**

PARTICLE SIZE DISTRIBUTION		
AS Sieve Size (mm)	**WSAA Spec Limit**	**% Passing**
6.7	100	100
4.75	90 – 100	98
2.36	60 – 100	73
1.18	30 – 80	48
0.600	15 – 60	31
0.300	5 – 40	21
0.150	0 – 20	14
0.075	0 – 10	8

PARTICLE DENSITY		
Particle Density (SSD)	Min 1900 kg/m^3	2750 kg/m^3

PLASTICITY INDEX		
Plasticity Index	Max 10	Non-Plastic

DEGRADATION FACTOR		
Degradation Factor	Min 50	71

pH		
pH	Range 5 – 9	8.6

CONDUCTIVITY		
Resistivity	Min 15 Ωm	55 Ωm

Contact:

David Canham
Customer Service Manager
Hanson Construction Materials
Tel: (03) 9408 1507
Fax: (03) 9408 1455
Mob: 0439 006 314
Email: david.canham@hanson.com.au

Garreth Handke
Product Technical Manager
Hanson Construction Materials
Tel: (03) 9570 3244
Fax: (03) 9570 4124
Mob: 0437 161 023
Email: garreth.handke@hanson.com.au

Technical Services Clarinda
ABN 90 009 679 734
69 Carroll Rd South Oakleigh VIC 3167
Phone: (03) 9570 3244
Fax: (03) 9570 4124
web: www.hanson.com.au

Material Test Report

Report No: MAT:CLA14-01550-Q03
Issue No: 1
This report replaces all previous issues of report no 'MAT:CLA14-01550-Q03'.

Client: WOLLERT QUARRY
BRIDGE INN ROAD
WOLLERT VIC 3750

Project: WOLLERT QUALITY CONTROL

Accredited for compliance with ISO/IEC 17025

NATA Accredited Laboratory Number: 415

Approved Signatory: Garreth Handke
(Product Technical Manager-Quarry)
Date of Issue: 3/04/2014

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Sample Details

Sample ID:	CLA14-01550-Q03
Client Ref:	
Date Sampled:	17/03/2014
Source:	WOLLERT QUARRY
Material:	FMAT/05MM/WSAA/DUST/WOLLERT
Sampled From:	Stockpile
Sampling Method:	AS1141.3.1 Clause 9.3
Specification:	5mm Embedment
Location:	
Sampled By:	Garreth Handke

Other Test Results

Description	Method	Result
Degradation Factor - Fine Aggregate [AS 1141.25.3]		
Degradation Factor		71
Wash water clear?		Yes
Particle Density - Fine [AS 1141.5]		
Apparent Particle Density (t/m³)		2.93
Particle Density Dry (t/m³)		2.65
Particle Density SSD (t/m³)		2.75
Water Absorption (%)		3.6
Atterberg Limits [AS 1289.3.1.1, AS 1289.3.2.1, AS 1289.3.3.1, AS 1289.3.4.1]		
Sample History	AS 1289.1.1	Oven-dried
Preparation	AS 1289.1.1	Dry Sieved
Linear Shrinkage (%)	AS 1289.3.4.1	N/A
Mould Length (mm)		0
Crumbling		No
Curling		No
Cracking		No
Liquid Limit (%)	AS 1289.3.1.1	N/A
Method		Four Point
Plastic Limit (%)	AS 1289.3.2.1	NP
Plasticity Index (%)	AS 1289.3.3.1	NP

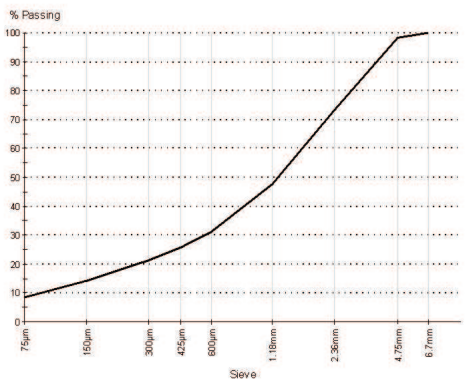
Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying by: Oven

Note: Sample Washed

Sieve Size	% Passing	Limits
6.7mm	100	
4.75mm	98	
2.36mm	73	
1.18mm	48	
600µm	31	
425µm	26	
300µm	21	
150µm	14	
75µm	8	

Chart



Comments

NP = Non Plastic

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GEOTECHNICAL ENGINEERING

GEOTECH PTY. LTD A.C.N.114 336 515 ABN 94 114 336 515
174 TURNER STREET, PORT MELBOURNE, VIC, 3207
TELEPHONE: (03) 9624 4200 FACSIMILE: (03) 9624 4230

Electrical Resistivity (AS 1289 4.4.1)

pH Value (Standard Method) AS 1289 4.3.1

Job Number: 8329 / 282

Client: HANSON

Location: Wollert

Material Description: WSAA Dust

Sample Number: CLA14-01550-Q03

Date Sampled: 18/03/2014

Date Tested: 21/03/2014

Electrical Resitivity:	55	Ω m
pH Value:	8.6	

Sampling: As Received

Notes:

P. W. SAUNDERS
(Company Approved Signatory)

Resistivity sample was compacted to 90% Standard as per AS 1289 5.1.1

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