

Unit : Cefn Mawr
Address :

Issue Date - 18.09.18

Rock Type	Limestone
Particle Shape	Angular to well Rounded

Telephone :

AGGREGATE PROPERTIES SUMMARY DATA SHEET

Test Description		Specification Reference	Coarse	STR No.	Date	Fine	STR No.	Date
Particle Density (Mg/m ³)	Oven Dry	EN 1097-6 : 2000	2.61	615575	Aug-18			
	S.S.D		2.64					
	Apparent		2.69					
Water Absorption (%)			1.1					
Aggregate Abrasion Value (AAV)		EN 1097-8 : 2009 Annex A	11.0	587775	Apr-18			
Los Angeles Abrasion (LA)		EN 1097-2 : 2010	22	587776	Apr-18			
Polished Stone Value (PSV)		EN 1097-8 : 2009	35	587777	Apr-18			
Magnesium Sulfate Soundness Value		EN 1367-2 : 2009	1	587778	Apr-18			
Drying Shrinkage (%)		EN 1367-4 : 2008	0.02	587779	Apr-18			
Micro Deval (MD)		EN 1097-1 : 2011	15	587780	Apr-18			
Chloride Ion Content (%)		EN 1744-1 : 2009				0.001	587765	Apr-18
Total Acid Soluble Sulfate (%)		EN 1744-1 : 2009				0.1	587766	Apr-18
Total Sulfur Content (%)		EN 1744-1 : 2009				0.1	587767	Apr-18
Humus Content		EN 1744-1 : 2009 CI 15.1				Negative	587772	Apr-18
Fulvo Content		EN 1744-1 : 2009 CI 15.2				Negative	587771	Apr-18
Calcium Carbonate Equivalent (%)		EN 196-2 : 2005				96.45	587769	Apr-18
pH Value		BS 1377 : Part 3 : 1990				9.5	587770	Apr-18
Frost Heave (mm)		BS 812 : Part 124 : 2009	13.2	596579	May-18			
Petrographic Analysis*		EN 923-3 : 1997	Low	520545	Apr-17			
Plastic Limit (%)		BS 1377 : Part 2 : 1990	Non-Plastic	596583	May-18			
Chemical Analysis - *XRF Method	SiO ₂		2.33	411405	Apr-15			
	TiO ₂		0.02					
	Al ₂ O ₃		0.55					
	Fe ₂ O ₃		0.04					
	Mn ₃ O ₄		0.01					
	MgO		0.28					
	CaO		53.62					
	Na ₂ O		0.09					
	K ₂ O		0.06					
	P ₂ O ₅		<0.01					
	BaO		0.01					
	Loss on Ignition		42.8					

All tests carried out are UKAS accredited unless otherwise denoted by *

Comment

AGGREGATE PROPERTIES SUMMARY DATA SHEET

		Type 1	STR No.	Date	4-20mm	STR No.	Date
Bulk Density Loose (Mg/m3)	EN 1097-3 : 1998	1.40	527399	Apr-17	1.36	587774	Apr-18
Bulk Density Compacted (Mg/m3)	EN 1097-3 : 1998 Annex D	1.65			1.56		
		0-4mm	STR No.	Date		STR No.	Date
Bulk Density Loose (Mg/m3)	EN 1097-3 : 1998	1.51	587773	Apr-18			
Bulk Density Compacted (Mg/m3)	EN 1097-3 : 1998 Annex D	1.73					



E.R.Goulden - Technical Director