



TEST REPORT



DETERMINATION OF WATER ABSORPTION OF MANSORY BLOCKS

Client: Muckish Sand & Gravel
 Cresslough
 Letterkenny
 Donegal

BHP Ref. No.: 25/11/0470-0475
Order No: 1016
Date Received: 04/11/2025
Date Tested: 15/11/2025
Test Specification: EN 772-11:2011
Material: Aggregate Concrete Mansory Unit

F.A.O.: Bernard McGinley

Project: Carrownamaddy

Sampling Information

Block Description: Solid
Manufacture: Muckish Sand & Gravel
Manufacturing Date: 17/10/2025
Manufacture Dimensions: 440mm X 215mm X 100mm
Manufacture Strength: 13N

Client Reference: Danny Morning 12No: 18x9x4 Chased
 Danny Morning 12No: 18x9x4 Chased
 Danny Morning 12No: 18x9x4 Chased
 Danny Morning 12No: 18x9x4 Chased
 Danny Morning 12No: 18x9x4 Chased
 Danny Morning 12No: 18x9x4 Chased

Test Information

EN 772-11:2011 & EN 772-16: 2011

BHP Sample #	Dimensions			Coefficient of Water Absorption (g/m ² *s)
	Length (mm)	Height (mm)	Thickness (mm)	
25/11/0470	437.8	214.1	96.7	0.89
25/11/0471	438.2	213.9	97.2	0.71
25/11/0472	434.1	213.3	96.4	0.90
25/11/0473	438.1	213.7	96.2	0.71
25/11/0474	438.2	213.7	96.5	0.89
25/11/0475	437.5	213.7	96.4	0.89
Mean Result (g/m²*s)				0.83

Remarks:

Sampling has been carried out by the customer
 Dimensions have been recorded using vernier callipers.
 Dimensions have been recorded as the mean value of two individual measurements, at the positions detailed in clause 7.1 (a)-Fig. 1a. The thickness measurement recorded equates to the width of an aggregate concrete mansory unit.
 The soaking time used was 10 mins.

Approved By:

James Purcell

Laboratory Technical Manager

Signature:

Issue Date:

21/11/2025

Tested by BHP Laboratories, New Road, Thomondgate, Limerick. Phone: (061) 455399 Email: jamespurcell@bhp.ie

This test report shall not be duplicated in full without the permission of the test laboratory. Information identifying the 'Client', 'FAO', 'Project', 'Location Reference', 'Item', 'Test Specification' and 'Order No' has been provided by the customer. Results apply only to the sample tested and where the laboratory is not responsible for sampling, result apply to the sample as received. Sampling is outside the scope of accreditation.