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TEST REPORT

Clients Mark	Handmade Tiles	Date Received	9 th July 2007
Your Reference		Date Tested	23 rd July 2007
Lab Reference	BT07456TAS	Date Issued	23 rd August 2007

EN 539-1: CLAY ROOFING TILES FOR DISCONTINUOUS LAYING. DETERMINATION OF PHYSICAL CHARACTERISTICS – PART 1: IMPERMEABILITY TEST.

1. SAMPLES RECEIVED

10 tiles were supplied and identified as Heritage Handmade Tiles

2. TEST PROCEDURES

10 tiles were tested for impermeability to water according to Test Method 2 in BSEN 539-1: Clay Roofing Tiles for Discontinuous Laying – Determination of Physical Characteristics. Part 1: Impermeability Test.

3. RESULTS

Table 1 shows the times at which the first drop was observed and the impermeability coefficient for each tile sample.

If 20 hours is indicated giving a coefficient of 0.00 this is equivalent to no drops of water noted throughout the 20 hour time period of the test.

Table 1

Sample No.	Time (hrs) Of 1st drop	Impermeability Coefficient
1	20	0
2	20	0
3	20	0
4	20	0
5	20	0
6	20	0
7	20	0
8	20	0
9	20	0
10	20	0
Mean Impermeability Coefficient = 0.00		

4. CONCLUSION

It is stated within clause 4.4.1.3 of BSEN 1304 that tiles classified as Category 1 shall have a mean impermeability coefficient after testing of 0.8 or less, and all individual results shall be 0.9 or less. For a Category 2 classification the mean impermeability coefficient for test pieces after testing shall be 0.925 or less, and all individual results shall be 0.95 or less. It is to be noted that tile or fittings classified as Category 2 shall only be used with watertight roofing underfelt.

The samples tested comply with the requirement for impermeability Category 1 according to BSEN1304 Roofing Tiles – Product Definitions and Specifications.

(End of Test Report)

Authorised Signatory:



Dr Andrew S Smith

Authorised Signature