

Specification for Cast Stone

Cast stone: Any material manufactured with aggregate and a cementitious binder that is intended to resemble the appearance of, and be used in a similar way to natural stone. Cast stone is either homogenous throughout or consists of a facing material and a backing material.

Arundel Stone Sussex Ltd products are manufactured to BS1217:2008 with compressive strength in excess of 25N/mm @ 28 day period.

Cast stone should not be transported or installed before it is 14 days old

Prevention of Moisture Penetration

In cavity wall construction, the location of DPC's should be based on the assumption that rain water will penetrate the outer leaf and, more often than not, run down the internal face of the external leaf. Damp proofing measures are essential in controlling the ingress of rain through locations where the cavity is bridged and where there is a potential for moisture to track across these areas to the internal leaf. Careful attention to design and detailing, combined with good site practice, is essential in the elimination of damp penetration.

Liner Dimensions

Dimension (mm) Tolerance (mm)

up to 600 +/- 2

601 – 1000 +/- 3

1001 – 2500 +/- 4

2501 – 4000 +/- 5

over 4000 +/- 6

Flatness of Plane Surface

Where the surfaces intended to be exposed in the finished cast stone are declared by the manufacturer to be plane, they shall not deviate from a plane by more than the values given below.

Maximum permitted variation from plane = 0.3% of the maximum dimension of the item or 2 mm whichever is the greater.

Cement

BS EN 197-1: 2000 Specification for Portland cement