

WET CAST ARCHITECTURAL SPECIFICATION

TYPE(S) OF WALLING/DRESSINGS

CAST STONE FOR EXTERNAL WALLS GENERALLY

- * Manufacturer and reference(s): Amber Valley Stone Ltd
- * Wet cast reconstructed stone generally to BS 1217:2008
- * Absorption: To conform to CAT test as BS 1217:2008
- * Compressive strength: Test to BS 1217:2008
- * Average cube strength: Not less than 40N/mm² (40MPa). Single cube strength: Not less than 35N/mm² (35MPa).
- * Density: 2400Kg/ m³
- * Finish/colour: ACID ETCHED to match Amber Valley Stone sample ref. T B C
- * Sand: Graded crushed stone, colour matched to approval. Mix: Group 3.
- * Aggregate size: 10/12 mm maximum and graded.
- * Minimum cement content: 325 kg/m³
- * Water cement ratio range: 0.45 – 0.50
- * Pigments to comply with BS EN 12878:2014
- * Tolerances generally: Linear dimensions, surface flatness and squareness to be within permitted tolerances of BS 1217:2008, clause 9, unless specified otherwise.
- * In addition to reinforcement required for structural purposes, cast stone components are reinforced as necessary to resist shrinkage and handling stresses.
- * Type of reinforcement, unless otherwise specified: To BS 4449:2005+A3:2016 and/or BS 4483:2005
- * Stainless steel reinforcement: To BS 6744:2016, type 304 S31 or equivalent.

Cover to reinforcement: Actual minimum cover to reinforcement (including secondary reinforcement) for cast stone:

- * Plain (untreated) steel:
External faces (exposed to weather) 40 mm – Minimum
Internal faces (completely protected against weather) 30 mm – Minimum
- * Stainless steel:
External faces (exposed to weather) 30 mm – Minimum
Internal faces (completely protected against weather) 20 mm – Minimum