



HADDONSTONE

MATERIAL DATA SHEET

TecStone®

WET-CAST MATERIAL

Samples marked "T"

Haddonstone Ltd., The Forge House, Church Lane, East Haddon, Northampton, NN6 8DB, UK.

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Haddonstone "TecStone"® Wet cast Limestone material consisting of over 60% large sized crushed limestone (up to 10mm particle size) together with fine crushed limestone and other fine aggregates. These aggregates are mixed together with white cement as the binder plus specialised admixtures and cement pigments if colours other than Portland are required. These admixtures include integral water proofers to reduce water absorption and specialised self-compacting additives. The consistency of the mix achieved is fluid to ensure that the mix penetrates into all the fine details of the mould.

Criteria	Technical Performance
Trade Name	Haddonstone "TecStone"®
Manufacturer	Haddonstone Ltd, The Forge House, East Haddon, Northampton, NN6 8DB
Material Density	2,350 kg/m ³
Compressive Strength **	Minimum Compressive Cube Strength at 28 days is greater than 45 N/mm ² (MPa)
Aggregate Size	0-10mm continuously graded
Finish	Light Acid Etched
Thermal Conductivity	1.63 W/mK
Water Absorption **	In accordance with UKCSA Technical Manual and BS 1217:2008, last 12 months testing no result above max permitted mean of 1.0mg/mm ² nor any individual result exceed 1.3mg/mm ²
Slip Resistance	"Smooth" Finish Paving tested to BS EN 1339 Unpolished Slip Resistance Value (USRV) was average 86: "Extremely low" potential for slip. Surface Micro-roughness test (Rz) was average 33.3µm: "Low" potential for slip.
Fire Resistance	Non-Flammable, Non-Combustible, does not give off Toxic Gases Reaction to Fire: Euroclass A1
Freeze / Thaw Resistance	Complies with UKCSA Standards so products deemed Freeze/Thaw Resistant
Handling Reinforcement	Where appropriate units may contain one or more stainless steel, synthetic fiber or extruded Basalt reinforcement bar (30mm minimum cover)
Cast In Lifting Sockets available	Yes (on request) - Stainless Steel to BS EN 1090 and CE Marked
Cast In Fixings available	Yes (on request) - Stainless Steel to BS EN 1090 and CE Marked
Structural Reinforcement available	Yes (on request) - subject to submittal of Structural Engineers design
Colours Available	Portland, Bath, Ivory Limestone, Slate, Terracotta, Coade (special colour match service also available)

**** Testing is carried out in house, or periodically by outside independent laboratories in accordance with UKCSA standards**

For a full list of standards please refer to UK Cast Stone Association (UKCSA), of which Haddonstone is a Full Member:
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