

Declaration of Performance

 Year 2018	 Quarry location : Kilaree lane , Threecastles , Co Kilkenny , Ireland Production Location : Brockley Park , Stradbally , Co Laois , Ireland
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Products	USE	Standards
Natural Stone Tiles	External Paving in Public traffic areas	NBN EN 1341 :2001
Natural Stone Setts	External Paving in Public traffic areas	NBN EN 1342 :2001
Natural Stone Kerbs	External Paving in Public traffic areas	NBN EN 1343 :2001
Stone Masonry Units	Masonry units with thickness >80mm	NBN EN 771-6
Stone Cladding	Slabs for Cladding	NBN EN 1469
Petrographical Description	<p>Grey , very fine to coarse grained bioclastic crinoidical LIMESTONE, well compacted with a rich fossil content of mainly shells from brachiopods and coral . The stone exhibited sparse styolitic seams running parallel to subparallel to the bedding plane . Relict bioclastic debris and crystal aggregations up to 6mm and commonly less than 3mm across.</p> <p>98% Calcite , 0.7% Dolomite , 0.7% Quartz, 0.2% organic Carbon , less than 0.1% Iron Sulphite</p>	EN 12407 :2011
Average Chemical Composition		
Flexural Strength	Average 12.7 MPa Minimum 11.5 MPa Maximum 14.0 MPa Standard deviation 0.9	NBN EN 12372 :2006
Frost Resistance	After Freeze Thaw cycles , Average 12.7 MPa Standard Deviation 1.2	NBN EN 12371 : 2010
Compressive Strength	Average 136 MPa Standard deviation 12	NBN EN 1926 : 1999
Frost Resistance	After Freeze Thaw cycles , Average 129 MPa Standard deviation 6.1	NBN EN 12371
Water Absorption	Average 0.1 % dry mass	NBN EN 13755 :2008
Apparent Density	Average 2690 Kg/m3 Standard Deviation 3	NBN EN 1936 : 2006
Abrasion Resistance	Average 18.5 mm Standard Deviation 0.65	NBN EN 14157 : 2004
Open Porosity	Average 0.4 v % Standard Deviation 0.05	NBN EN 1936 : 2006
Slip Resistance	Pendulum test TRL: Average Slip Resistance Value Flamed Dry 92 Wet 83 Sanded C24 Dry 68 Wet 51 Bushammered Dry 91 Wet 75 Honed P36 Dry 55 Wet 44	NBN EN 1341:2012
Reaction to Fire	Class 1	Without Testing (refer to decision 86/603/EEC)

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