



Year 2014



MC KEON STONE
EUROPE'S BEST BLUE LIMESTONE

Quarry location : Kilaree lane , Threecastles , Co Kilkenny , Ireland

Production Location : Brockley Park , Stradbally , Co Laois , Ireland

Products

Natural Stone Tiles
Natural Stone Setts
Natural Stone Kerbs
Stone Masonry Units

USE

External Paving in Public traffic areas
External Paving in Public traffic areas
External Paving in Public traffic areas
Masonry units with thickness >80mm

Standards

NBN EN 1341 :2001
NBN EN 1342 :2001
NBN EN 1343 :2001
NBN EN 771-6

Petrographical Description	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 stylitic seams running parallel to subparallel to the bedding plane . Relict bioclastic debris and crystal aggregations up to 6mm and commonly less than 3mm across. 98% Calcite , 0.7% Dolomite , 0.7%Quarts, 0.2% organic Carbon , less than 0.1% Iron Sulphite	EN 12407 :2011
Average Chemical Composition		
Flexural Strength	Average 13.1 MPa Minimum 11.5 MPa Maximum 16.2 MPa Standard deviation 1.5	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 2686 Kg/m ³ Standard Deviation 3	NBN EN 1936 : 1999
Abrasion Resistance	Average 18.5 mm Standard Deviation 0.65	NBN EN 14157 : 2004
Open Porosity	Average 0.48 v % Standard Deviation 0.05	NBN EN 1936 : 1999
Slip Resistance	Pendulum test TRL Flamed Dry 82 Wet 79 Sanded C24 Dry 68 Wet 51 Bushammered Dry 77 Wet 72	NBN EN 14231
Reaction to Fire	Class 1	Without Testing (refer to decision 86/603/EEC)