

CONCRETE BLOCKS – RELEVANT STANDARDS, DESIGN CODES AND BUILDING REGULATIONS

Concrete Blocks: Standards, Standard Recommendations (S.R), Design Codes and Building Regulations	
Manufacture	<ul style="list-style-type: none"> • I.S. EN 771-3 – 2011: Specification for masonry units – Part 3: Aggregate concrete masonry units (Dense and lightweight aggregates) (Note: Level of conformity: Level 2+. Externally certified by a notified body (e.g. N.S.A.I.)
Raw Materials	<ul style="list-style-type: none"> • Cement: I.S. EN 197-1:2011 – Composition, specification conformity criteria for common cements; • Aggregates: I.S. EN 12620 & S.R. 16 – Aggregates for concrete; • Admixtures: I.S. EN 934-2:2009 – Admixtures for concrete, mortar and grout.
Design	<ul style="list-style-type: none"> • Eurocode 6: Design of Masonry Structures; • I.S. EN 1996-1-1 General rules for reinforced and unreinforced masonry structures + National Annex; • I.S. EN 1996-1-2 General rules. Structural fire design + National Annex; • I.S. EN 1996-2:2006 Design considerations, selection of materials and execution of masonry + National Annex; • SR 325:2013: Recommendations for the Design of Masonry Structures in Ireland to Eurocode 6.
Rendering / Plastering	<ul style="list-style-type: none"> • I.S. EN 13914: 2005 Part. 1- Design, preparation and application of external rendering and internal plastering – External Rendering; • I.S. EN 13914: 2005 Part. 2- Design, preparation and application of external rendering and internal plastering – Internal Plastering.
Mortars / Plasters	<ul style="list-style-type: none"> • I.S. EN 998-1 Specification for mortar for masonry – Part 1: Rendering and Plastering Mortar; • I.S. EN 998-1 Specification for mortar for masonry – Part 2: Masonry Mortar. • I.S. EN 13139:2002 + NA 2010 & S.R. 18 – Aggregates for Mortar.
Building Regulations	<ul style="list-style-type: none"> • Technical Guidance Document Part A – Structure; • Technical Guidance Document Part B – Fire Safety; • Technical Guidance Document Part E – Sound; • Technical Guidance Document Part L – Conservation of Fuel and Energy.



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