

# CONCRETE BLOCKS – RELEVANT STANDARDS, DESIGN CODES AND BUILDING REGULATIONS

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



**CONCRETE  
BUILT IS  
BETTER BUILT**



Irish Concrete Federation  
8 Newlands Business Park,  
Naas Road, Clondalkin,  
Dublin 22. D22 R2F8  
Tel: 01 464 0082  
Fax: 01 464 0087  
E-mail: [info@irishconcrete.ie](mailto:info@irishconcrete.ie)