

PRECAST ELEMENTS “INTERLOCKING BLOCK – HEIGHT 0.60 M”

Supply and installation of self-supporting precast reinforced concrete elements (retaining walls), made of reinforced concrete (Rck 45 N/mm²), for the construction of walls in general, bulk material retaining walls, fences, etc., with CE marking in accordance with European Standard EN 15258 under Assessment System 2+, classified as “Declared Series” production pursuant to the Italian Ministerial Decree of 17/01/2018, with documentation filed with the Presidency of the Superior Council of Public Works, manufactured by a company with a quality management system certified in accordance with UNI EN ISO 9001, with a base width of 60 cm and a height of 60 cm, suitable for retaining bulk materials with a density of up to 1800 kg/m³ (such as precast elements manufactured by Edil Leca Srl).

The precast elements feature an upper interlocking profile to connect the horizontal courses of the wall.

The precast elements shall be supplied with Product Certification (ICMQ) certifying the content of recycled/recovered/by-product material, with reference to the Regulation for product certification relating to construction products – CP DOC 262, and UNI EN ISO 14021:2016 “Environmental labels and declarations – Self-declared environmental claims (Type II environmental labelling)”. Certification System 3 – ISO/IEC 17067 with TOTAL PERCENTAGE OF RECYCLED MATERIAL: ≥5%.

With the following characteristics:

Height	: 60 cm
Width	: 60 cm
Length	: 240, 210, 180, 150, 120, 90, 60 cm
Element type	: Interlocking Block 240 × 60h
Compressive strength	: 45 N/mm ²
Consistency class	: S4
Water/cement ratio	: <0.45
Minimum cement content	: 360 kg/m ³
Concrete density	: 2550 kg/m ³
Concrete exposure class	: XA2 (in accordance with EN 206-1)
CAM certification	: System 3 – ISO/IEC 17067
Recycled material in concrete – CAM	: ≥5%
Fire resistance	: EI – REI 120
Environmental exposure condition	: E=High (in accordance with EN 13369)
Average element weight	: 1900 kg
Maximum stored material density	: 1800 kg/m³