

Concrete Paving Blocks

Description

The Paving Block is an aggregate unreinforced cement bound concrete paving unit. It is mainly used for pedestrian use, vehicular use and roof coverings, e.g. footpaths, precincts, cycle tracks, car parks, roads, highways, industrial areas (including docks and harbours), aircraft pavements, bus stations, petrol filling stations.

Normative Reference

BS EN 1338:2003 - Concrete Paving Blocks - Requirements and test methods

Technical Specifications

Commercial name	Length (mm)	Width (mm)	Thickness (mm)	Weight (kg)	Approx. Qty / m ²
Classic	200	100	100	±5kg	50
	200	100	80	±4kg	50
	200	100	60	±3kg	50
Unimarkant	230	115	80	±5kg	38
Uniloc / Unicoloc	220	110	60	±4kg	41
Trief	173.2	150	80	±5kg	38
Urico	220	125	80	±5.5kg	36
Cobble stone	100	100	60	±1.5kg	100
Available colors	Ordinary Cement Grey, Terracotta, Dark Grey, Red				

- Permissible deviations as per table below:

Block thickness (mm)	Length (mm)	Width (mm)	Thickness (mm)	Minimum thickness of facing layer (mm)
≤100	±2	±2	±3	>4

- Tensile splitting strength of UBP Concrete Paving Blocks
The characteristic tensile splitting strength shall not be less than 3.6 MPa. None of the individual results shall be less than 2.9MPa, nor have a failure load less than 250 N/mm of the splitting length.
Note: Blocks with higher tensile splitting strength can be also produced on prior request.
- Weathering resistance: Class II - The mean water absorption is not greater than 6% by mass.

Materials Specifications

- Cement
ORDINARY PORTLAND CEMENT (CEM I – 42.5N)
Compliance with BS EN 197-1:2000 – Cement. Composition, specifications and conformity criteria for common cements.
- Aggregates
UBP AGGREGATES (Rocksand 0-4mm & Coarse Aggregate 4-6mm)
Compliance with BS 882: 1992 – Specification for aggregates from natural sources for concrete.
- Water
BOREHOLE – Clean and free from any harmful amounts of deleterious matter, either in suspension or in solution controlled each month by external laboratories.
- Pigment
Iron Oxides.

Test and Compliance Certificates

Appropriate certificates are issued upon request. In case of no particular specifications / requirements on the product, the test and compliance certificates will be according to BS EN 1338:2003.

