



BUILDING
TOGETHER



TOP STANDARD





Introduction to Top Standard

Top Standard is a mainstay of our ECOCem product range. It is made with 30% to 40% lower CO₂ emissions¹, and contains a minimum of 25% recovered material. Its ease of use and excellent workability make it one of the most widely-used multipurpose cements in the industry. It is suitable for the building of homes and commercial use.

ECOCem is our range of low carbon cement to help Malaysia build sustainably. It is produced with lower CO₂ emissions and contains repurposed materials. ECOCem is our contribution to making the low carbon circular economy a reality.

¹emissions per tonne of cement vs OPC

Application

Suitable for all general purpose applications.

Certification

Top Standard complies to MS EN 197-1: 2014 CEM II/ B-L 32.5N

Properties

Test	Unit	Standard: MS EN 197-1: 2014 CEM II / B-L 32.5 N	Results
Chemical Composition			
Sulphate Content	%	Not more than 3.5	1.85
Chloride Content	%	Not more than 0.1	0.02
Physical Properties			
Setting Time : Initial	mins	Not less than 75	145
Soundness	mm	Not more than 10	1
Compressive Strength (Mortar Prism) : 7 days	MPa	Not less than 16	27.0
: 28 days	MPa	32.5 ≤ x ≤ 52.5	36.0

Specification of product is subjected to manufacturer's change without prior notice

Benefit of Top Standard

Top Standard is specially designed for flexibility and adaptability for most applications.

- Eco-friendly product
- Excellent workability
- Quality consistency
- Easy to mix

Availability

Top Standard is available in 50kg bags.

Quality Assurance

Top Standard is produced under stringent quality assurance, environmental management, health & safety and energy management systems. It is certified to MS ISO 9001, MS ISO 14001, MS ISO 45001, and MS ISO 50001.

Recommended Mix Proportions

Concreting (20 MPa)

- Batching in wheelbarrow



SIRIM
MS EN 197-1:2014
PC012682
PV012683
PC003242

Top Standard	Sand	Aggregates	Approximate Yield
2 Bags (1 Bag = 50 kg)	2½ Wheelbarrows	2½ Wheelbarrows	0.26 m ³

Recommended Mix Proportions

Bricklaying

- Batching in wheelbarrow

Top Standard	Sand	Approximate Yield
2 Bags (1 Bag = 50 kg)	4 Wheelbarrows	0.22 m ³

Health And Safety

Skin contact with wet cement, fresh concrete or mortar may cause irritation dermatitis or burns. It is recommended to use Personal Protective Equipments which include eye, hand, skin protection and dust masks. First aid treatment should involve the immediate bathing of the affected area with water.



GOGGLES



MASK



GLOVES



BOOTS



HELMET