

ECOPlanet

The Green Cement



Green Living starts with EcoPlanet

Value Proposition

- EcoPlanet is the world’s first global range of green cement - delivering a lower carbon footprint - ranging from carbon neutral to a 30% lower footprint.
- ✓ Offering full range of sustainability profiles
 - ✓ Supports most advanced sustainability building certifications from Breeam to LEED
- ✓ Globally available
 - ✓ Delivering equal to superior performance
 - ✓ For all applications: from complex infrastructure projects to home-building



ECOPlanet UAE

The lowest CO2 footprint cement for light concreting and plastering applications in the UAE.

Targeted Applications

- High requirements of finishability, durability and performance such as:
- Concrete for 3 stories residential /commercial buildings
 - Site mixed durable finishing applications, plaster, mortar, tile adhesive, repair mortar, etc...
 - Decorative Concrete for floors, stamped concrete
 - Light weight concrete / mortar
 - Mass Concrete precast units
 - Sand stabilizing in Road projects
 - Shotcrete lining work

Benefits

- Lowest CO2 footprint cement in the UAE for light concrete works
- Reduced surface cracking
- Low heat of hydration vs OPC
- Smoother & Brighter Appearance for plastering
- Ease of application and better Finishability
- Available in Bulk and bags



Technical Specs

Product: CEM II/B-L 32.5N

CO2 emissions (Scope 1, specific net emissions): 481 kg of CO2 / ton of cement.

Admixture additions: It is recommended to carry out trial mixes to verify admixture compatibility with EcoPlanet & to find out the optimum admixture dosage.

Test Certificates: Routine product test data covering the key physical and chemical parameters are made available on a weekly basis on request.

Availability: EcoPlanet is supplied both in bulk tanker & 50 kg bags.

Storage: Cement should be stored dry to avoid its quality deterioration due to premature hydration and carbonation. Moisture from the air can be as harmful as direct moisture. Cement in bulk should be stored in well maintained silo with no damp air or moisture ingress. Bags should be stored unopened and clear off the ground in dry conditions and should be stacked in a safe and stable manner.

Property	Requirement of BS EN 197-1 for CEM II / B-L 32,5 N	Typical values* of EcoPlanet
Silicon Dioxide (SiO2)	-	15.00 - 18.00 %
Aluminum Trioxide (Al2O3)	-	3.80-4.80 %
Ferric Oxide (Fe2O3)	-	2.50-3.70 %
Calcium Oxide (CaO)	-	58.00-62.00 %
Magnesium Oxide (MgO)	-	1.00-3.00 %
Sulfate (as SO3)	Maximum 3.50 %	2.40-3.45 %
Chloride	Maximum 0.10 %	0.01-0.05 %
Comprehensive Strength: 2 days	-	10-15 MPa %
Comprehensive Strength: 7 days	Minimum 16.0 MPa	18-25 MPa %
Comprehensive Strength: 28 days	Minimum 32.5 MPa	33-38 MPa %
Initial Setting Time	Minimum 75 minutes	130-190 minutes %
Final Setting Time	-	200-250 minutes %
Soundness	Maximum 10 mm	0.00-2.00 mm %
Fineness	-	380-480 m²/kg %

*Values obtained from tests as per BS EN standards.



Why ECOPlanet?

- ✓ Because it is essential to ACT NOW, to preserve what we have and to build a better Future
- ✓ To be positioned as an industry partner with a vision for a better future
- ✓ To become an active contributor to the conservation of the global environment

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