LAFARGE
EMIRATES CEMENT

A MEMBER OF
HOLCIM GROUP

ALMAS

Portland Cement

CEM II/A-L 42.5N

Lafarge Emirates Cement's ALMAS can be used in wide range of appilications including those that require high quality finishing along with high strength. ALMAS meets or exceeds all applicable chemical and physical requirements of BS EN 197-1 for CEM II/ A-L

APPLICATIONS:

ALMAS is ideal for general purpose use in a wide range of applications: Majority of concrete products, general purpose ready-mix concrete, concrete block making, mortar for joining block, plaster/render, tile bed mortar, floor screeds, grouts etc.

FEATURES & BENEFITS

A. **High Strength**
Strength class of ALMAS is 42.5N. it attains early high strength (20-23 MPa) in 2 days & up to 48 MPa in 28 days.

B. **Reduced Bleeding**
Tendency of bleeding of fresh concrete significantly reduces for concrete made with ALMAS .

C. **Enhanced Cohesiveness**
for concrete & **better thickness** for mortar thereby resulting in less material wasteage.

D. **Better Surface Finish**
Due to reduced bleeding, smoother & brighter appearance for plastering / finishing work that reduces wall putty consumption.

E. **Reduced Pigment Consumption**
Paler colour of ALMAS helps to reduce pigment consumption for colour mortar / concrete thereby saving cost.

F. **Wide Range of Applications**
ALMAS can be used in most applications ranging from general grade concrete, concrete block making to finishing applications like plaster/ render, etc.

G. **Green Building Material**
Use of this product is a step forward to the sustainable construction practices.

H. **Requirements of BS EN 197-1 standard**
are compared to typical performance data for ALMAS in the table.

Requirement of standard & typical properties of ALMAS :		
Property	**Requirment of BS EN 197-1 for CEM II / A-L 42,5N**	**Typical values* of Almas**
Sulfate (as SO3)	Maximum 4.00%	2.00-2.80 %
Chloride	Maximum 0.10 %	0.01-0.05 %
Compressive Strength: 2 days	Minimum 20.0 MPa	20-23 MPa
Compressive Strength: 7 days	---	37-40 Mpa
Compressive Strength: 28 day	Minimum 42.5 MPa	45-48 MPa
Initial Setting Time	Minimum 60 mm	150-200 mm
Final Setting Time	---	200-260 mm
Soundess	Minimum 10 mm	0.00-2.00 mm
*Values obatained from tests as per BE EN standards		

Admixture additions

it is recommended to carry out trial mixes to verify admixture compatibility with ALMAS & to find out the optimum admixture dosage.

Test Certificates

Routine product test data covering the key physical and Chemical parameters are made available on weekly basis on request.

Availibility

ALMAS is supplied in both in bulk tanker & 50 kg bag.

Storage

Current should be stored dry to avoid its quality detoriation die to premature hydration abd carbonation. Moisture from the air can br as harmful as drirect moisture. Cement in bulk should be stored in well maintained silo with no damp air or moisture igress. Bags should be stored unopened and clear off the ground and should be in a safe stable manner

Health and Safety	Technical Support	Product Range
Contact between cement power and body fluids (e.g, sweat & eye fluids) may cause irritation, cermatatis or burns. Wear suitable protective clothing, dust mask, protective goggles, gloves while handling. immediately wash with plenty of water when it comes in contact with eye or skin. Seek Immediate medical advice for persistent or severe discomfort.	Further information or specification advice on ALMAS and the full range of Lafarge Emirates' products can be obtained through the contacts listed below.	- Portland Cement (OPC) - Sulfate-Resisiting Portland Cement (SRPC) - Moderate Sulfate Resisiting Cement (MSRC) - Ground Granulated Blast-furnace Slag (GGBS)

CERTIFIED COMPANY ISO 9001

ECO FRIENDLY

LAFARGE EMIRATES CEMENT

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Lafarge Emirates Cement LLC- P.O. BOX 99745, DUBAI, UAE. Tel : +971 4 260 32222 FAX +971 4 232 9895
Technicalsupportlec@lafarge.com, www.lafarge.ae