



Alexandria international
for trading & contracting co dll

HAPPINESS IS OUR GOAL FOR YOU

About Us

We are Alexandria international for Trading & Contracting Co. It is one of the Egyptian shareholding companies that works in the field of exporting cement- clinker-rock phosphate – rock salt- fertilizer and trading them in the world there are qualified employees to work in this field, which enabled them to conclude many export contracts with many clients in many countries. And we must make great efforts to be in a position that allows us to live up to that responsibility, and strive to achieve our goals of integrity, honesty, responsibility and full and true respect for the rules and ethics of the profession. Because we want to be the company that customers always trust.

Our Policy and Goals

Our policy is to provide real and effective services in order to meet the evolving and successive requirements of our clients, day after day, in order to achieve complete satisfaction for all our customers and partners with full professionalism by the highly trained team and have experiences with all procedures for exporting All our work is accomplished in a professional manner that achieves complete satisfaction of all customers as we work hard to protect the interests of our customers. Alexandria international for Trading and Contracting provides all its customers around the clock all the requirements and materials with high quality

Below are the list and details of our products:

cement – clinker –white cement – gypsum

Rock phosphate: phosphate ore from 16% p2o5 to 32% p2o5 bulk in vessel & jumbo bags

Rock salt: rock salt (sodium chloride) row & washed bulk in vessel& jumbo & 50 - 25kg

Fertilizer: we have some selected items (urea – map – dap -)







Clinker 52.5



Chemical Composition

Silicon Dioxide	SiO ₂	21.02%
Aluminum Oxide	AL ₂ O ₃	6.11%
Ferric Oxide	Fe ₂ O ₃	3.89%
Calcium Oxide	CaO	65.78%
Magnesium Oxide	MgO	0.99%
Sulfur Trioxide	SO ₃	0.80%
Chloride	CL<0.1	0.048%
Loss on ignition	L.O.I	0.28%
Insoluble residue	I.R	0.3%
Free-Lime	F-CaO < 2	1.2%
Chromium hexavalent	Cr VI ≤ 2	1.0 ppm

Modules

Lime saturation Factor	LSF	94.15
Silica Modulus	SM	2.1
Alumina Modulus	AM	1.57

Phase Composition

Tri Calcium Silicate	C ₃ S> 52	54.19%
Di Calsium Silicate	C ₂ S	19.41%
Tri Calcium Aluminate	C3A	9.62%
Tetra Calcium Aluminum Ferrite	C4AF	11.83%



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Cement









Chemical Composition EN 197-CEM 1 52.5 N

Physics Test

Silicon Dioxide	SiO ₂	19.41%
Aluminum Oxide	Al ₂ O ₃	5.85%
Ferric Oxide	Fe ₂ O ₃	3.54%
Calcium Oxide	CaO	64.53%
Magnesium Oxide (Max 5.0)	MgO	0.72%
Sulfur Trioxide (Max 4.0)	SO ₃	2.75%
Chloride <0.10	CL ⁻ <0.1	0.013%
Insoluble residue (Max 5.0)	L.O.I	0.21%
Loss on ignition (Max 5.0)	I.R	3.57%
Free-Lime<2	F-CaO < 2	0.6%
Chromium hexavalent (Max2.0)	Cr VI<2	1.2 ppm

Fineness (Blaine)		3630cm ² /g
Water consistency		26.2%
Initial setting time	Min 45	166 minutes
Final setting time		214 minutes
2 day flexural		5.2MPa
2 day (compressive strength)	Min 20	23.9MPa
28 day flexural		8.9MPa
28 day (compressive strength)	Min 52.5-Max	52.9MPa
Soundness	Max 10mm	0.8mm

Phase Composition

Tri Calcium Silicate	C ₃ S> 52	60.6%
Di Calcium Silicate	C ₂ S	10%
Tri Calcium Aluminate	C ₃ A	9.5%
Tetra Calcium Aluminum Ferrite	C ₄ AF	10.8%

Chemical Composition EN 197-CEM 1 42.5

Silicon Dioxide	SiO ₂	19.6%
Aluminum Oxide	Al ₂ O ₃	5.38%
Ferric Oxide	Fe ₂ O ₃	3.49%
Calcium Oxide	CaO	63.58%
Magnesium Oxide (Max5.0)	MgO	1.19%
Sulfur Trioxide (Max4.0)	SO ₃ <4	2.3%
Chloride < 0.10	CL<0.1	0.05%
Loss on ignition	L.O.I	4.25%
Insoluble residue (Max5.0)	I.R<5	.54%
Free-Lime<2	F-CaO < 2	1.2%
Chromium hexavalent (Max2.0)	Cr VI ≤ 2	1.3ppm
Alkali Equivalent	Na ₂ O equivalent	.60%

Physics Composition

Fineness (Blaine)		3079 Cm2/g
Water consistency		27%
Initial setting time	Min 75	125 minutes
Final setting time		185 minutes
2Day (compressive strength)		22.6 MPa
28Day (compressive strength)		46.8 MPa
Soundness	Max 10mm	1.0 mm

Chemical Composition EN 197-1 CEM 11/B-L 32.5 N

Silicon Dioxide	SiO ₂	15.45%
Aluminum Oxide	Al ₂ O ₃	4.72%
Ferric Oxide	Fe ₂ O ₃	3.06%
Calcium Oxide	CaO	67.76%
Magnesium Oxide (Max5.0)	MgO	0.17%
Sulfur Trioxide (Max4.0)	SO ₃ <4	2.71%
Chloride < 0.10	CL<0.1	0.02%
Loss on ignition	L.O.I	13.22%
Insoluble residue (Max5.0)	I.R<5	0.45%
Free-Lime<2	F-CaO < 2	1.2%
Chromium hexavalent (Max2.0)	Cr VI ≤ 2	1.3ppm

Physics Composition

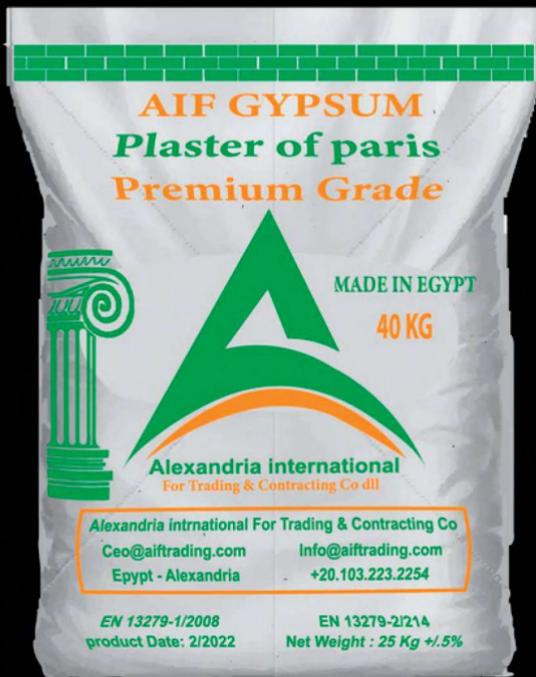
Fineness (Blaine)		4875Cm ² /g
Water consistency		27%
Initial setting time	Min 75	117 minutes
Final setting time		177 minutes
7Day Flexural		6.1 MPa
7Day (compressive strength)	Min 16	32.1 MPa
28Day Flexural		7.7 MPa
28Day (compressive strength)	Min32.5-52.5	43 MPa
Soundness	Max 10mm	1.5 mm



GYPSUM
Plaster of paris







Chemical Composition EN 13279-1/2008, EN 13279-2/2014

CHEMICAL COMPOSITION TEST

(CaSO4) %	95.5%	CaCO3 (%)	1.7 %	Color	Homogenous Brightness White
Reaction to fire	Nonflammable	SiO2 (%)	0.3 %	Fineness: Residual on 180 mm (%)	1.6 %
Fire resistance after 2 hours	Pass	Fe2O3 (%)	0.1 %	Water Consist (%)	61.8 %
Thermal Resistance	Pass at 750C	Al 2O3 (%)	Zero	Intial Setting time (min)	7 min 30 sec
Flexural Strength (N/mm2)	3.4	Mgo (%)	0.1 %	Final Setting time (min)	20 min 45 sec
Compressive Strength (N/mm2)	14.6	Na2O (%)	0.2. 3	Density (Ton / m3)	1.2
Adhesive Strength (N/mm2)	0.54	K2O (%)	Zero		
Purity Of Gypsum (%)	92.4 %	CL (%)	0.01 %		
CO2 (%)	0.48 %	CaO (%)	36.4 %		
Uncombined Water (%)	0.87 %	SO3 (%)	52.5 %		
Combined Water (%)	6.5 %	NACI (%)	0.1 %		





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