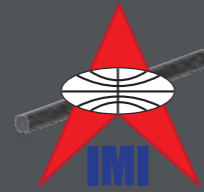




ASTIC INSULATION MATERIALS INDUSTRIES L.L.C.

DEFINING INDUSTRIAL SOLUTIONS





INTRODUCTION

ASTIC INSULATION MATERIALS INDUSTRIES LLC (AIMI) is registered as a Limited Liability Company setup in 2012 in DIP / 2, Dubai, UAE, to be conditioned under the laws of Emirates of Dubai, U.A.E to provide quality and prompt service.

AIMI is a locally registered Industrial Company, listed by the Ministry of Industries under License No.666246 (copy attached). The company is setup in Dubai Investment Park and is engaged into the activity of Insulation Manufacturing especially PIR, PUF, Phenolic Foam, Foamglas, Calcium Silicate etc.

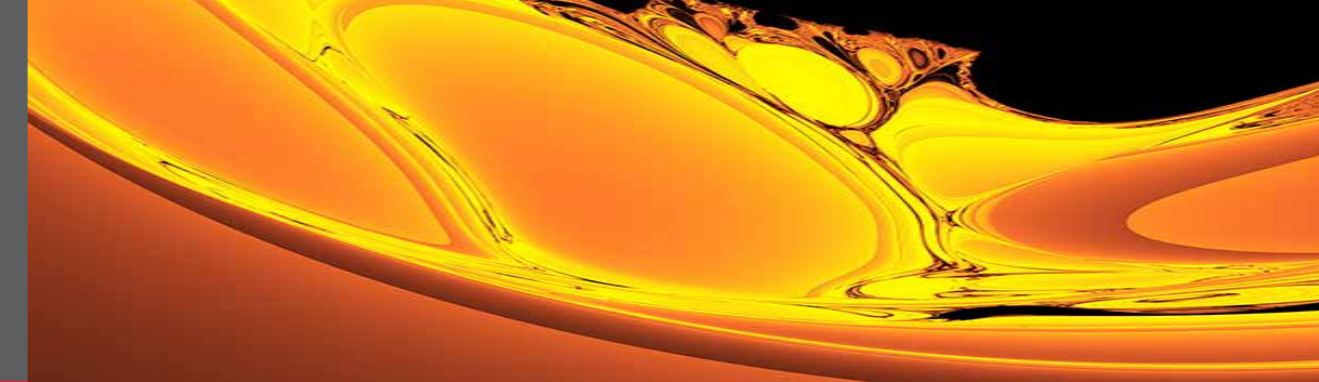
AIMI is specialized in manufacturing, fabrication, field fabrication and execution of insulation work. Preformed sections can be made available on all types of Rigid insulation for piping, fittings, flange & valves, boxes, vessels, equipments for Cellular Glass (FOAMGLAS® INSULATION) Polyisocyanurate Polyurethane (PIR/PUR), Phenolic Foam, Calcium Silicate which are widely used in Oil and Gas Industries. Petrochemical Industries, Power and Desalination plants and several other related industries. The same can be used for Commercial Buildings for district chillers, boilers piping and roofing where high specification is applied.

Above mentioned Insulation Materials are specified in the specifications for the above mentioned Industries and for projects in U.A.E. and all the Gulf countries, which led us to start our own production unit, with our own expertise specialist to meet the highest standard & market demands. AIMI is an approved source with the local Oil & Gas companies like Takreer Gasco, Borouge, DEWA, ADEWA & Dubai Municipality Central Laboratory.

We adhere to the highest standards by sourcing raw materials from globally well-known manufacturers such as Pittsburgh Corning for Foamglass and BASF, DOWCHEMICAL for Polyisocyanurate and Polyurethane.

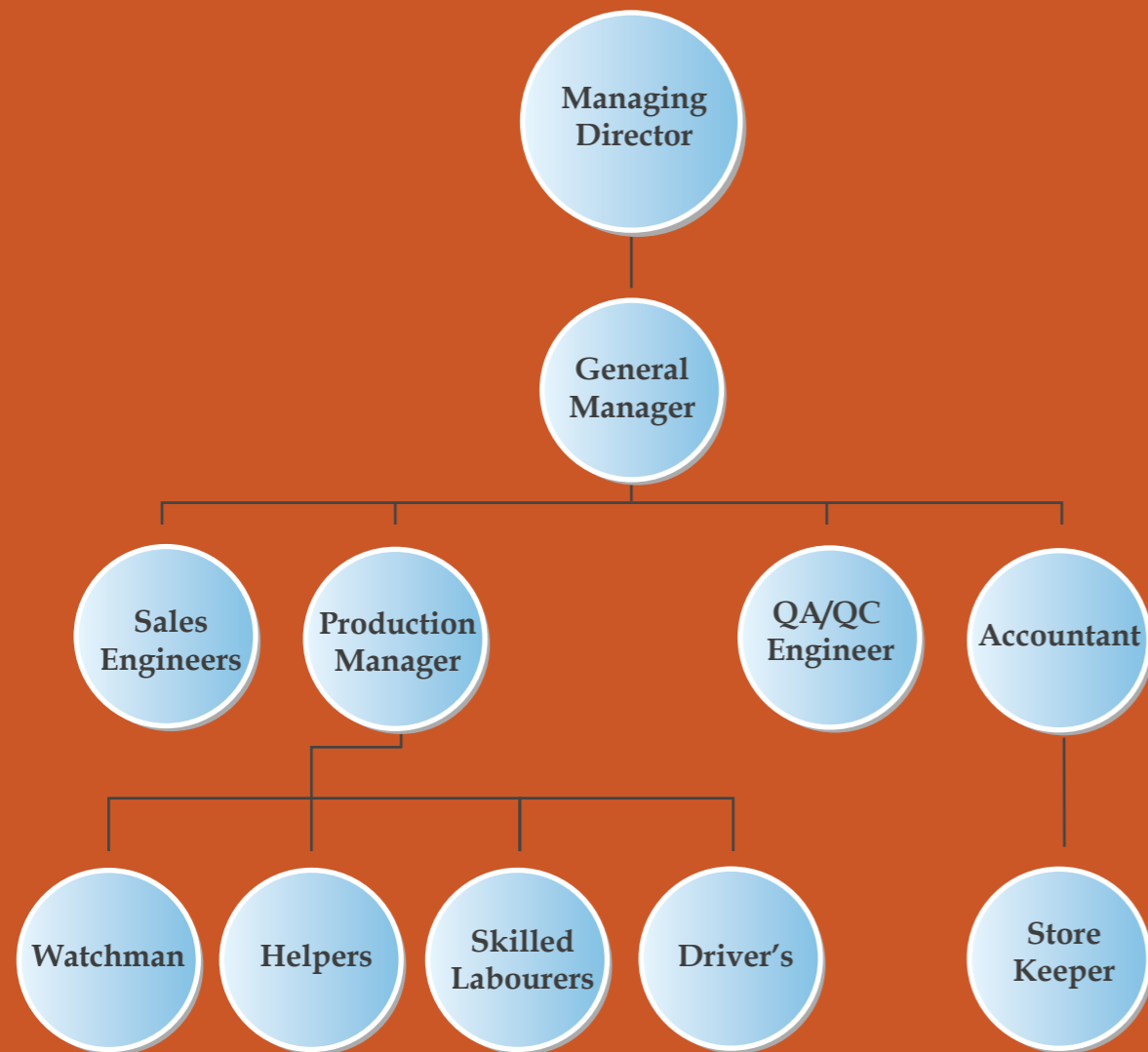
Our factory is equipped with the most up to date automated machines to make available insulation for Piping, Fittings, Elbows, Flanges, Valve Boxes and metal jacketing. Our main advantage is having a local facility in Dubai & capability to handle quick delivery to the Gulf region & Middle East with economical cost and can issue a GCC Certificate as local Manufacturer.





PRODUCTS OVERVIEW

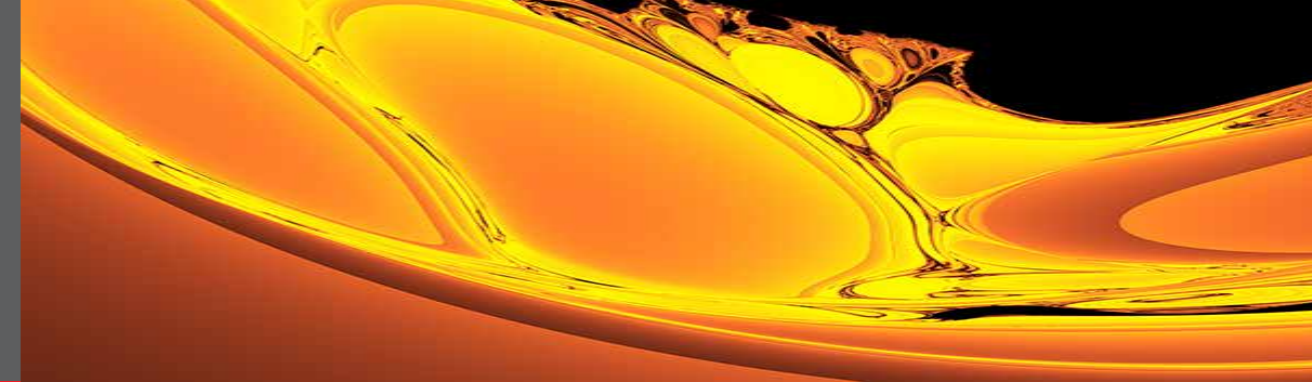
COMPANY STRUCTURE



Our current workforce strength is 150 employees and growing

- > FOAMGLAS®
- > ALFA PIR POLYISOCYANURATE FOAM
- > ALFAPHEN
- > CALCIUM SILICATE
- > ROCKWOOL
- > CERAMIC BLANKET
- > FIBERGLASS INSULATIONS
- > JACKETING
- > HARD ACCESSORIES
- > WET ACCESSORIES



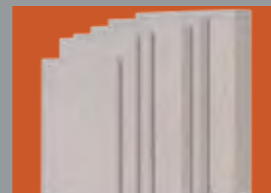


CALCIUM SILICATE

Calcium silicate boards cover a range of extremely lightweight insulating boards with excellent insulating value, high mechanical strength and good heat resistance. The boards are designed for maximum service temperatures of up to 800 Deg.0C . Calcium silicate boards are designed insulation of all refractory constructions - dense firebrick, insulating firebrick, castables, plastic refractories,etc. The combination of high performance features makes the range of calcium silicate boards the ideal choice for efficient insulation of kilns, furnaces, ovens, stoves, boilers, soaking pits, regenerators, mains and other combustion or high-temperature process equipment. Due to their high resistance to carbon monoxide and hydrocarbons calcium silicate boards can be used in furnaces with reducing atmospheres.

Available for typical field applications in;

- Flat Block with thickness up to 100 mm
- Half Pipe section for outer diameter up to 450 mm
- Curved and beveled for higher diameter.

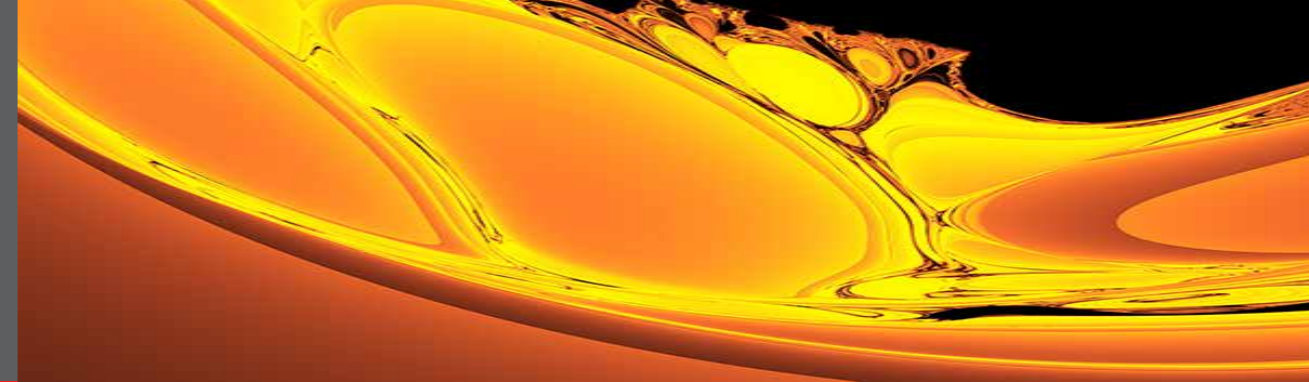


CALCIUM SILICATE

Major Applications

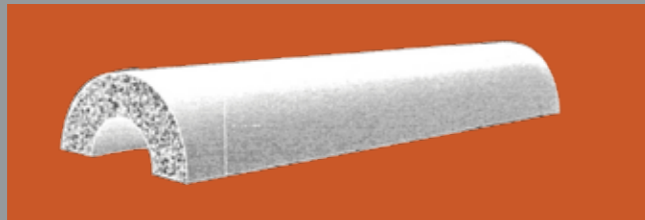
Power Plants	Boilers, Steam Pipelines, Turbines and Chemicals
Fertilizer, Refinery and Petrochemical Industry	Reformer, Gas Crackers, Heaters, Boilers, Steam and Process Pipelines and Fuel Oil lines.
Iron and Steel Industry	Blast Furnance Stoves, Bustle Pipes, Reheat & Annealing Furnances, Waste Heat Boilers, Roof Tops, Regenerators, Flue Gas Ducts, Doors of Coke Oven Batteries, Lime Kilns, After Burning and Dust Settling Chambers of Sponge Iron Plants.
Aluminium Industry	Reduction Cells (Pots), Homogenizing and Holding Furnaces, Alumina Calcinators.
Cement Industry	Preheater Cycles, Precalcinators, Kiln Riser Ducts, Firing Hood, Grate Coolers, Tertiary Air Ducts and Flue Gas ducts.
Furnaces	Heat Treatment, Reheating and Annealong
Ceramic and Glassware	Tunnel Kilns, Glass Melting Furnaces, Regenerators and Annealing Lehrs
Sugar Industry	Boiler and Steam Pipelines
Passive Fire Protection	Core Material for Fire Doors, Heat Protection, Shielding around Fire Places and Stoves.





CALCIUM SILICATE

HYSIL Pipes



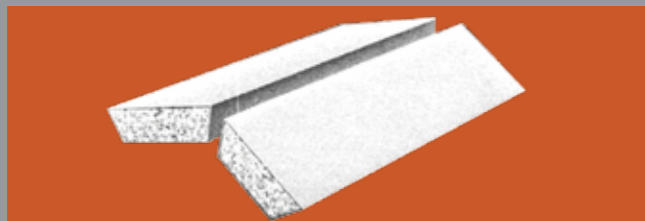
HYSIL Pipe Covering (Half Round)

- . Available for pipe sizes 1/2" to 14"
- . Standard length: 900, 600 & 450 mm
- . Thickness: 25, 40, 65, & 75mm



HYSIL Pipe Covering (Curved Segments)

- . Available for pipe sizes 6" to 22"
- . Standard length: 900, 600 & 450 mm
- . Thickness: 25, 40, 50, 65, & 75mm



HYSIL Pipe Covering (Bevelled Lags)

- . Available for pipe sizes 24" and above
- . Standard length: 600 & 450 mm
- . Thickness: 25, 40, 50, 65, & 75mm

CALCIUM SILICATE

HYSIL Technical Specifications (Pipe Sections)

S. No.	Property	Units	H-650 Grade	H-800 Grade
1	Temperature, Max Service	Deg C	650	800
2	Average Bulk Density	Kg/m ³	250 (Nominal)	250 (Nominal)
3	Flexural Strength (min)	KN/m ²	240	300
4	Compression Strength	%	3.5 max	5 max
a	415 KN/m ² , Dry	%	3.5 max	5 max
b	170 KN/m ² , after 18 hrs immersion in water			
5	Linear Shrinkage (12 hrs Heat soaking)	%	2 max	2 max
6	Loss in Mass	%	15 max	14 max
7	Reduction in thickness Under a load of 345 N/m ²	%	3 max	5 max
8	Thermal conductivity at mean temperature (max)			-
	100C	W/m-K	0.079	0.078
	200C		0.087	
	300C		0.100	
9	Moisture contents by	%	7.5	5
10	weight (max)	pH	8.11	8.11

