

Alex GROUP Insulation

الإسكندرية لتجهيز الألياف
والعوازل الحرارية
ومهمات المصانع



Alex for Fibers Equipment
and Thermal Insulation



Alex Insulation

Glass Wool



Glass Wool Blanket:

Thik.: 25 mm - 50 mm
Density: 13 - 32 KG/m³
Dim.: 120 x 2000 cm
Temp.: Max. 250 C
Facing: Unfaced / Alu. / Foil
App.: For Thermal and sound insulation of attics, Steel structured industrial buildings, double-cladded, acoustic treatment of suspended ceiling, poultry farms



Glass Wool Board:

Thik.: 15 mm - 100 mm
Density: 50 - 96 KG/m³
Dim.: 60 x 120 cm
Temp.: Max. 250 C
Facing: Unfaced / Alu.
App.: For water repellant, silicon-spread core insulation for double wall system providing thermal and sound insulation



Facade Board:

Thik.: 15 mm - 100 mm
Dim.: 60 x 120 cm
Temp.: Max. 250 C
Facing: Yellow and black glass tissue
App.: Under exterior wall cladding as water repellant, silicone spread thermal and sound insulation, insulation for air-conditioner duct



Glass Wool Pipe:

Thik.: 25 mm - 40 mm - 50 mm
Density: 85 - 96 KG/m³
Dim.: 1/2" - 14"
Temp.: Max. 250 C
Facing: Unfaced / Alu. / Foil
App.: For thermal insulation of industrial piping, cooling and chilling systems, piping of solar heating system up to 250 C against frost in piping and for sound insulation purposes in pressurized piping

Rock Wool



Rock Wool Blanket:

Thik.: 30 mm - 150 mm
Density: 50 - 150 KG/m³
Dim.: Width 100 cm (Standard)
Temp.: Max. 850 C
Facing: Unfaced / Alu. / Wired
App.: For Thermal and sound insulation of equipment, and installation & pipelines, fire protection in all kinds of ship & sea constructions, cofferdam walls and doors



Rock Wool Board:

Thik.: 30 mm - 150 mm
Density: 50 - 150 KG/m³
Dim.: 60 x 120 cm
Temp.: Max. 850 C
Facing: Unfaced / Alu.
App.: For Thermal, sound & fire insulation in lightweight partition walls, exterior walls of existing buildings applied on the interior, heated & inhabited attic spaces applied between the rafters



Rock Wool Pipe:

Thik.: 25mm-50mm-80mm-100mm
Density: 1/2" - 14"
Temp.: Max. 850 C
Facing: Unfaced / Alu.
App.: For Thermal insulation of industrial piping up to 850 C piping of central heating systems, against frost in piping and sound insulation purposes in pressurized pipings



Loose Rockwool:

Temp.: Max. 850 C
App.: By stuffing into the cavities of double-shelled equipment or amorphous spaces up to 850 C with a density of app. 80 KG/M³.
For thermal, sound & fire insulations and Brake

Expansion Joints



Fabric Expansion Joint:

Filler: (Ceramics, Glass Fiber, PTFE, Silicate, Silicone)

Measurement: Upon request

Temp.: Up to 2000 F

App.: Expansion Joints are non-metallic flue duct expansion joints or flexible connectors which, when properly designed, provide stress relief for piping & ducting systems by absorbing thermal growth & shock, isolating mechanical vibration and allowing for misalignments



Armaflex:

Thick.: 6 mm - 25 mm

Types: (Sheets / Pipes)

Temp.: - 450 C + 116 C

Shapes: Yellow & black glass tissue.

App.: For thermal insulation of industrial plants, cold store insulations, refrigeration, air conditioning and low temperature heating system, pumping and sanitary installations with its high water vapour diffusion resistance to prevent condensation & save energy



Flexible duct connectors:

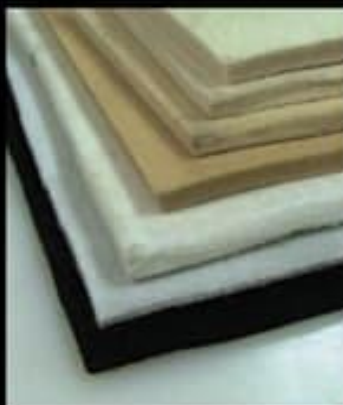
Types: (Canvas / Duct /

Self - adhesive / fabric pads /

cladding accessories /

fastening and fixing accessories /

air distribution / Foam spray)



Wool & Polyethylene Felt:

Temp.: - 80 – 200 C

Types: (Bag filter / Air purifier / Woven filter)

App.: Felt uses as dust collector, air fresh filtering, oil and industry liquid filtering, smoke treatment and air filtering in turbines

Gaskets and jointing sheets



Metallic Jointing Sheets:

Thick.: 0.5 mm - 5 mm

Dim.: 1.5 x (1m/ 1.5m/ 2m/ 2.25m)

Temp.: Up to 550 C

App.: Used for various kinds of equipments, suitable for low & high pressure in steam, water, oils, fuels and inert gases for low and high conditions



Non-Metallic Jointing Sheets:

Thick.: 0.5 mm - 5 mm

Dim.: 1.5 x (1m/ 1.5m/ 2m/ 2.25m)

Temp.: Up to 450 C

App.: Non-Asbestos and aramid composition used for various kids of equipments, suitable for low & high pressure in steam, water, oils, fuels and inert gases for low and high conditions



Graphited Sheet & Paper:

Thick.: 0.5 mm - 5 mm

Temp.: Up to 800 C

App.: Flexible Graphite products with teanged SS 316 and wire mesh SS 316 reinforced are ideal for sealing those difficult high temperature applications, chemical applications and low bolt load applications



Spiral Wound Gaskets:

(With inner and outer rings)

Thick.: Upon customer request

Metal Materials: Stainless, Alu., Steel, Copper, Carbosteel, etc. Filler Materials: Ceramic / Flexible graphite / PTFE

App.: (Metallic and Non-Metallic filler), it is suitable for sealing spots where the alteration of temperature & pressure are frequent. It can used as the static sealing element of pipe, valve, pump, thermal exchange condensing tower, plain hole and manhole of flange

Ceramic Fibers



Ceramic Fiber Blanket:

Thick: 25 mm - 50 mm
Density: 96 - 128 - 1600 KG/m³
Temp.: 1260 C - 1600 C
Facing: Unfaced / Alu. / Wired
App.: This material is lightweight and has very low thermal conductivity, excellent handling strength, low heat storage, thermal shock resistance corrosion resistance (commonly used acid and alkali). It also provides excellent sound absorption and excellent fire protection



Ceramic Fiber Board & Paper:

Thick: 12 mm - 50 mm
Temp.: 1260 C - 1600 C
App.: They're featured with high temperature stability low thermal conductivity, consistent density and excellent resistance against thermal shock and chemical attack. Ceramic Fiber board from resists oxidation and reduction



Calcium Silicate Products:

Temp.: Up to 1000 C
Types: (Model / Board / Tube)
App.: High temperature insulation, Passive fire protection, Acid mine drainage remediation, as a product of sealants



Ceramic Fiber Textile:

Types: (Yarn / Cloth / Rope / Tape / Sleeve)
Temp.: 1260 C - 1450 C
App.: Ceramic textiles are typically used in aerospace, outer space and industrial applications. Because the filaments are continuous and strong, ceramic textiles can be produced without the aid of other fibers or wire inserts. Roving's, yarns, fabrics, tapes, sleeveings and sewing threads are typical products

Packings



PTFE Packing:

Types: (Graphited / Glass Fiber/ Acrylic / Aramid)
Pressure: Up to 250 Bar
Temp.: Up to 280 C
App.: Recommended for use in rotational pumps, piston pumps and in industrial fittings, for instance in chemical industry. Resistant to the impact of water, steam, oils, fuels, solvents, acids & alkali, except for strong oxidants



Graphite Packing:

Types: (Reinforced with PTFE/ Carbonized)
Pressure: 200 Bar - 500 Bar
Temp.: 450 C - 650 C
App.: Graphite packing is used in rotor pumps, working with high speed up to 25 m/s, mainly in the chemical and power industries, for chemically aggressive agent pumps in the power industry, sealing high-temperature pumps feeding boilers in petrochemical industry



Graphite with Aramid & PTFE:

Pressure: Up to 300 Bar
Temp.: Up to 280 C
App.: The packing is used in rotational pumps and other devices operating in the environment of water, hot water, solutions of salt, most acids and alkali, fuels, oils and solvents & suspensions of solid particles in these utilities. Main recipients are: chemical, artificial fertilizers & food industry



Phenolic Cloth Products:

Temp.: Up to 180 C
Types: (Sheet, Rod, Tube)
App.: Are made by a laminated material through the hot pressing of two or more layers of cotton fabric or Glass fibers, reinforced with synthetic thermoreactive resins of phenol-formaldehyde type, cresol-formaldehydes, mixture of these resins or thier modification

PTFE & Plastic



PTFE Products :

Types: (Sheet, Rod, Tube, Gaskets, Model)
Temp.: Up to 280 C
App.: PTFE is a soft, low friction fluoropolymer with outstanding chemical resistance and weathering resistance, PTFE is a stable at temperatures up to 50°F and it is often used in high temperature environments. PTFE also has excellent electrical insulating properties, as it is used in food industries



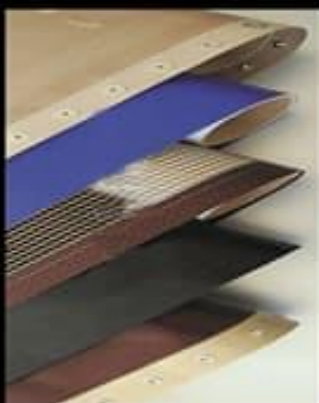
Plastic Parts:

Products: (PE/PP/PVC/HDPE/POM/PMMA/PEEK/Nylon)
Temp.: Up to 250 F
Types: (Sheet / Rod / Tube)
App.: Excellent bearing and wear properties / strong and stiff / Good chemical resistance & easy to machine, reduced noise, weight & wear on mating parts compared with many traditional metal bearing materials, a dielectric properties and hardly inflammable



Fiber Glass Textile:

Temp.: Up to 550 C
Types: (Cloth/ Packing/ Tape/ Sleeve/ Rope)
App.: Fiberglass Resin is a premium grade polyester resin. It is designed for use with fiberglass mat or cloth to repair and restore as well as create custom molded automotive designs. USC fiberglass Resin is fast curing tack free, waterproof and impact resistant. Its heavy formula wets out mat and cloth quickly & provides excellent workability



PTFE & Silicone Fabrics:

Types: (Adhesive / Coating / Mesh)
Temp.: -170 C up to 260 C
App.: Separating films of PTFE and PTFE/fiberglass fabrics for use in machines for polymer packing L-sealers, form / fill sealing, wrapping, blister packing, bag welding, bag filter, etc.

Rubber Products



Rubber Rounded Sheet:

(Natural Acids / Black Acids)
Temp.: Up to 120 C
App.: Punch all kinds of anti acid and alkali corrosion seals, washers and pipe lines in the chemical enterprises, the pavement of table in the laboratory



Rubber Mat Sheet / Neoprene / EPDM:

Filler: (Cloth insertion, metal mesh, Acidic and alkaline)
Colors: (Black, Red Grey, White)
Thick.: 2mm - 50 mm
Temp.: Up to 120 C
App.: According to the requirements of technical parameters, applied to manufacture all kinds of sealing decoration, pavement, rings. Good technical performance to work surrounding with high anti-shock and strong face requirement, as it is wide range temp., chemical resistance



Silicon Products:

Colors: (Clear - Red)
Thick.: 2mm - 6 mm
Temp.: Up to 200 C
App.: High temperature bearing performance, good oil resistance, apply to punch oil seals, washer, as it is used for medical, chemical and food industries



Fiber Glass Coating:

Thick.: 0.5 mm - 6 mm
Types: (Alu / Silicon / PTFE / PVC)
Temp.: Up to 250 C
App.: Excel in high temp. Silicone adds abrasion resistance and waterproofing to the fabrics. PTFE is inert against most acids and bases and chemical, a and chemical resistance, by addition to the dryers and water evaporation. Alu., an excellent vapor barrier against moisture and radiant energy barrier in very hot condition

Alex GROUP Insulation

Alexinsulation Group, is one of the biggest companies specialized in thermal insulation & factory Manufacturing products, It was founded in 1971, in Alexandria.

Our strategy is to supply our clients with high quality products and to offer them excellent service. Inside and outside Egypt

Our main products are sealing material, heat insulation & fire proof material, which are used in chemical industries, petroleum, electrical power & mechanical manufacturing.

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