

THERMAL INSULATION PRODUCTS AND ANCILLARIES



Calcium Silicate
Rockwool
Ceramic Fiber
Fiberglass Fabric
Foamglass



Metal Ancillaries
Sheet Metal Machines

Thickness (mm)	Range: 1 ~ 5mm Tolerance ± 0.01mm			
	1.2	2	3	
Density (kg/m ²)	2.4	4	6	
Sound Insulation Value	24 dB	28 dB	30 dB	
Width x Length (mm)	1000/1500 x 5000/10000			
Type	Flame retardant & Self Adhesive			
Other Sizes available upon request				



Mass Loaded Vinyl Sheet

Density (Kg/m ²)	100~200
Thickness (mm)	2 ~ 25
Width (mm)	≤ 2400
Length (m)	10 ~ 40
Service Temp	700°C (1292°F)
Other Sizes available upon request	



E-glass Needle Mat

HIGH TEMPERATURE APPLICATION FIBERGLASS FABRICS

Material	Texturized Fabric	E-Glass Fabrics
Weight (g/m ²)	288 ~2150	200 ~1760
Thickness (mm)	0.3 ~3.5	0.2 ~1.7
Width X Length (m)	1 X 50 Standard	
Type	Plain Fabric or Reinforced with SS wire	
Colour	White / Brown	
Service Temperature	550 °C	
Other Sizes available upon request		



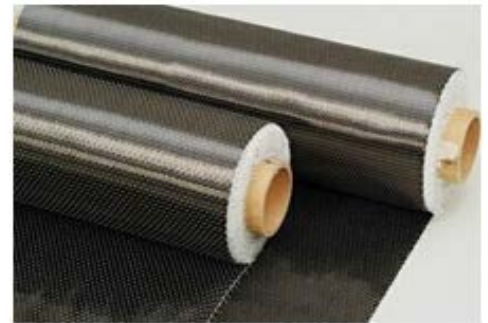
Fiberglass Fabrics

SiO ₂ Content (%)	94	96
Weight (g/m ²)	600 ~2000	600 ~ 1600
Thickness (mm)	0.7 ~3	
Width (cm)	84 / 92 / 100 / 120 / 150	
Length (m)	50 Standard	
Colour	White / Golden Brown	
Service Temperature	900 °C / 1100 °C	
Other Sizes available upon request		



High Silica Fabrics

Weave	Plain/ Twill / 8HD
Weight (g/m ²)	100 ~640
Thickness (mm)	0.14 ~.64
Width X Length (m)	1 x 50 Standard
Reinforcement Yarn	1K / 3K / 6K / 12K
Colour	Black
Service Temperature	1500 °C ~ 2000 °C
<i>Other Sizes available upon request</i>	



Carbon Fiber Cloth

Carbon Fiber Felt	
Heat Treated (Caramelized)	
Service Temperature	800 °C ~ 1000 °C
<i>Sizes available upon request</i>	



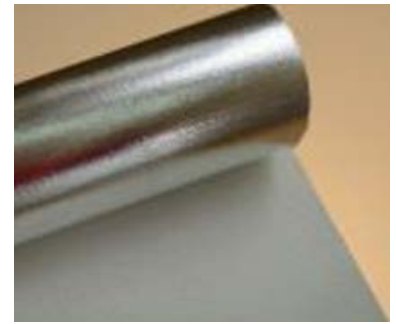
COATED FABRICS

Material	Texturized Fabric	E-Glass Fabrics
Weight (g/m ²)	1700 ~ 5900	400 ~ 2050
Thickness (mm)	1.5 ~ 4	0.3 ~ 1.8
Width (m)	1 / 1.2 / 1.5 / 2	
Type	Wet/Dry Silicon with single/double side coated	
Colour	Grey / Red / Black	
Service Temperature	-70°C ~ +280°C	
Other Sizes available upon request		



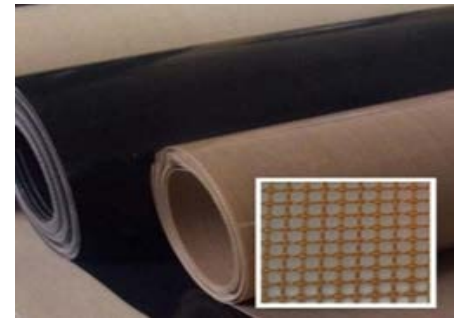
Silicone Coated Fabrics

Material	Texturized Fabric	E-Glass Fabrics
Weight (g/m ²)	650 ~1800	220 ~ 1800
Thickness (mm)	0.75 ~3	0.22 ~3
Width (cm)	1 / 1.5 X 50 Standard	
Al Foil Thk (micron)	18/25	9/18/25
Colour	Silver	
Service Temperature	550 °C	
Other Sizes available upon request		



Aluminium Coated Fabrics

Weight (g/m ²)	145 ~ 1700 (after coating)
Thickness (mm)	0.08 ~ 0.9
Thickness (mm)	0.14 ~ .64
Width X Length (m)	1 / 1.5 X 50 Standard
Service Temp(PTFE)	-200°C ~ +270°C
Colour	Brown/Black/White/Grey/Green/Blue
Weave	Plain
<i>Other Sizes available upon request</i>	



PTFE Coated Fabrics

Other Type of Coating Fabrics Available

Polyurethane Coating
Acrylic Resin (Neoprene) Coating
Vermiculite Coating
Graphite Coating

OTHER FABRICS

Material	Ceramic Fiber Cloth		Vermiculite Coated Ceramic Fiber Cloth	
Reinforcement	Glass Filament	SS Wire	Glass Filament	SS Wire
Service Temperature	650°C	1050°C	650°C	1050°C
Melting Point	1760°C			
Weight	350 ~ 600			
Colour	1.5 ~ 6		1.5 ~ 3	
Width	1 / 1.5		1 ~ 1.8	
Other Sizes available upon request				



Ceramic Fiber Cloth

Material	E-Glass Texturized FG Fabric	Polyurethane Coated FG Fabric	High Silica Fabric
Weight (g/m ²)	600	450 ~ 720	600 ~ 1400
Width x Length (m)	1 x 1, 1 x 2, 2 x 2	0.9 x 1, 0.9 x 2, 1.76 x 2	
Colour	White / Grey / Brown		
Service Temperature	550°C	900°C ~ 1100°C	
Other type available			
Ceramic Fiber welding blanket with Vermiculite coating and SS wire reinforced			



Welding Blanket

Weight (g/m ²)	60 ~ 125
Mesh Size	8 x 8, 10 x 10, 20 x 20
Width X Length (m)	1 x 50 / 100 / 200 Standard
Servie Temp	550°C
Colour	White / Blue / or as desired
<i>Other Sizes available upon request</i>	



Fiberglass Mesh

Related Material

Fire Blankets



FIBERGLASS TAPE / ROPE

Thickness (mm)	1.5 ~ 6
Width (mm)	100 ~ 200
Length (m)	30 ~ 50
Servie Temp	520°C
Weaving Structure	Pain for 1.5 ~ 3mmT Twill for 4 ~ 6mmT
Type	Pain/Self adhesive , Alu Foil Facing, Heat Treated (Caramelized), Graphite/ Silicone Coated & Silica tape
Other Sizes available upon request	



Fiberglass Tape

Type	Plain / Sqare / Rectangular
Diameter (mm)	4 ~ 50 / 4x4 ~ 50X50 / As required
Plain and Silicone Coated Knitted Rope	
With Core	Without Core
Diameter (mm)	4 ~ 25
Plain Twist Ropes	
Diameter (mm)	3 ~ 60
Colour	White / Grey / Black / as desired
Service Temp	520°C
Length (m)	20 ~ 200
Other Sizes available upon request	



Fiberglass Rope

Related Materials: Fiberglass Yarn / Sewing Thread / Sleeves



CERAMIC FIBER TAPE / ROPE

Reinforcement	Glass Filament	SS Wire
Service Temperature	650°C	1000°C
Density (kg/m ³)	350 ~ 600	
Thickness (mm)	2 ~ 10	
Width (mm)	10 ~ 200	
Length (m)	30 / 50	
Type	Hest Cleaning / Self Adhesive / Graphite Coated	
Other Sizes available upon request		



Ceramic Fiber Tape

Type	Twisted Rope 1 or multi strand	Braided Rope Round / Square
Diameter (mm)	3 ~ 60	Round 5 ~ 60 Square 5x5 ~ 60x60
Length (m)	50 ~ 200	
Other Sizes available upon request		



Ceramic Fiber Rope

Related products



FILAMENT TAPE

Backing Reinforcement	PET+FG Fabric	Galazne Paper+FG Fabric
Adhesion	Hot melt or Acrylic	Round 5 ~ 60
Thickness (μm)	105 ~ 250 (-15)	
Width (mm)	15/19/25/38/50/80 (or as desired)	
Length (m)	15 ~ 50	
Type	Mono Tape / Cross weave / Double Adhesive	
Other Sizes available upon request		



Filament Tape

ALUMINIUM FOIL PRODUCTS

Type	A1050/1060/1100/8011, A3003/3004
Temper	O, H14 H18, H22, H24, H26
Thickness (mm)	0.005 ~ .2 mm
Width (mm)	100 ~ 1500 or as desired
<i>Other Sizes available upon request</i>	



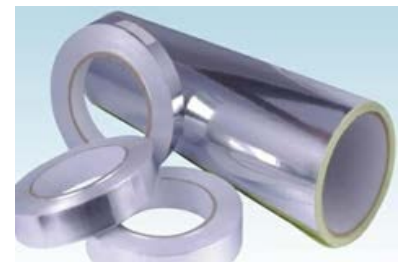
Aluminum Foil

Thickness (μm)	20 ~ 70
Width (mm)	40~ 1000 or as desired
Length (mm)	30 / 50 / 100
Structure	Alu Foil / Acylic Adhesive / releasing paper
Alu Foil + 3 way scrim + Kraft paper Alu Foil + Polyethylene + Kraft paper Punching Foil + 3 way scrim + Kraft paper Alu Foil + Polyethylene + non woven Alu Foil laminated with Fiberglass cloth or as desired	
<i>Other Sizes available upon request</i>	



Aluminum Foil Adhesive Tape

Structure of Mylar Foil	PET , AL+PET, Al + PETAL, PET+AL+PET
Structure of Mylar Tape/Sheet	AL+PET, AL+PET+AL, PET+AL+PET (with our without self adhesive)
Thickness (mm)	12/25/12 or 25/50/25 (for 3 layers)
Width (mm)	50 ~ 1200
Length (m)	50 ~ 200
<i>Other Sizes available upon request</i>	



Mylar Foil & Mylar Tape/Sheet

BUTYL RUBBER TAPE / SHEET

Thickness (mm)	1 / 2 / 3	4 ~ 5	
Width (mm)	20 ~ 150	20 ~ 100	20 ~ 50
Length (m)	40 / 20 / 15	12	10
Service Temp.	-40°C ~ +100°C		
Colour	White / Black/ Grey or as desired		
Type	Double sided Tape Non woven single sided tape Aluminium Foil Facing single sided tape		
Other Sizes available upon request			



Butyl Rubber Tape

Thickness (mm)	1 ~ 2
Width (mm)	50 ~ 1000
Length (m)	8 ~ 20
Service Temp.	-40°C ~ +100°C
Colour	White/Black/Grey or as desired
Type	Double Sided Sheet Alu Foil Facing Single Sided Sheet
Other Sizes available upon request	



Butyl Rubber Sheet

LEAD SHEET

Thickness (mm)	0.5 / 1.0 / 2.0
Width (m)	1
Length (m)	5/ Roll
Other Sizes available upon request	



Butyl Rubber Sheet

ROCKWOOL (MINERAL WOOL)

Material	Bare Blanket	GI/SS Mesh Wired
Density (kg/m ³)	60 ~ 100	60 ~ 130
Thickness (mm)	30 - 50 / 60-70	30-50 / 60-100
Length (mm)	500 / 3000	5000 / 3000
Width (mm)	600 / 900	
Service Temp.	650°C	
Standard	ASTM C592	
Type	Hydrophobic / Low Chloride	
Other Sizes available upon request		



Rockwool Blanket

Material	Bare Board	Alu Foil/Black Fabric Facing Board
Density (kg/m ³)	60 ~ 130	
Thickness (mm)	25 ~ 150	
Length (mm)	1200	
Width (mm)	600 / 900	
Service Temp.	650°C	
Standard	ASTM C612	
Type	Hydrophobic / Low Chloride	
Other Sizes available upon request		



Rockwool Board

Material	Bare Pipe		Alu Foil Facing Pipe	
Density (kg/m ³)	100 ~ 150			
Thickness (mm)	25	30	30 ~ 50	50 ~ 100
Inner Diameter (mm)	1/2" ~ 3"	1/2" ~ 8"	1/2"~20"	1/2"~28"
Length (mm)	1000			
Service Temp.	650°C			
Standard	ASTM C547			
Type	Hydrophobic / Low Chloride			
Other Sizes available upon request				



Rockwool Pipe Cover

Shrunk Packing

15 ~ 20 / 260

Service Temp.

650°C



Rockwool Granulated Loose Wool

GLASS WOOL BLANKET & BOARD

Material	Density (Kg/m ³)	Thickness (mm)	Length (m)	Width (mm)
Bare Blanket	12 ~ 48	25 ~ 100 (single Layer)	10 ~ 20	1200
Alu Foil Facing Blanket				
Bare Board	24 ~ 128	15 ~ 100 (Ssingle Layer)	600 ~ 2400	600 / 1200
Alu Foil Facing Board				



Glass Wool Blanket



Glass Wool Board

Material	Bare Pipe	Alu Foil Facing Pipe
Density (kg/m ³)	48 ~ 160	
Thickness (mm)	≥ 25	
Inner Diameter (mm)	1/4"~ 32"	
Length (mm)	1000	
Other Sizes available upon request		



Galss Wool Pipe Cover

GLASS WOOL BLANKET & BOARD

Material	Density (Kg/m ³)	Thickness (mm)	Flamability	Length (m)	Width (mm)
Bare Sheet/Pipe	≤45	10 ~30		10 / 20	1500 / 6~108
Alu Foil Facing	≤55	10 ~75	B1/B2 Class	800 / 2000	



Glass Wool Blanket

Service Temp. -50°C ~ +110°C
No fluorinated hydrocarbon materials like CFC, HFC or HCFC & free of formaldehyde, dust and fiber.



Glass Wool Board

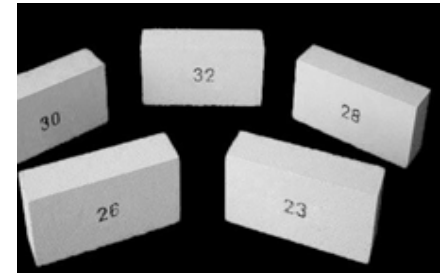
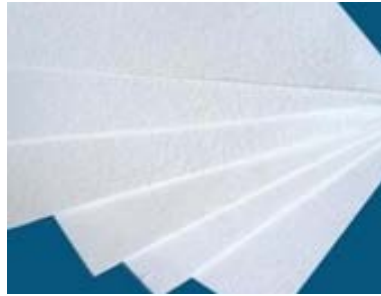
CELLULAR GLASS (FOAM GLASS) / PIR / PUR

Material	Cellular Glass Board	Cellular Glass Pipe Cover
Density (kg/m ³)	120 ~220	115 ~220
Thickness (mm)	30~160 (Single Layer)	30~80 (Single Layer)
Width x Length (mm)	457/470 x 610/620	
Inner Dia		1/2"~48"
Length (mm)		610/620
Service Temp	-268°C ~+480°C	-268°C ~+480°C
Standard	ASTM C552	ASTM C552
		

Material	Polyisocyanurate Foam PIR		Polyurethane Foam PUR	
	Board	Pipe Cover	Board	Pipe Cover
Density (kg/m ³)	45/50/100±5 (40-500mmT)		45/50/100±5 (50-500mmT)	
Thickness (mm)	40~600 (Single Layer)	40~260 (Single Layer)	30~100 (Single Layer)	30~80 (Single Layer)
Width x Length (mm)	1000 x 1500	1/2"~36"x 1000	500 x 1000	1/2"~36"x1000
Service Temp	-196°C ~+110°C		-110°C ~+110°C	
Standard	ASTM C591		ASTM C591	
				

CERAMIC FIBER

Material	Density (Kg/m ³)	Thickness (mm)	Temp °C	Width x Length(mm)
Ceramic Fiber Blanket	64/96/128/160	6/13/25/38/50	1260/1400/1500 /1600	600/610 x 3600/7200/14400
Ceramic Fiber Board	250/250/200/180	6/13/25/30/40/50	1000/1260/1400/1600	600 x 900 / 1000
Ceramic Fiber Paper	170/180/200	0.5 ~ 5	1100/1260	600/1200 x 10000/20000/40000
Ceramic Fiber Bricks	500/800/900	65/75	1260/1427/1550/1600	114 x 230
Ceramic Fiber Module	160/190/220	50/75	1260/1400	300 x 300



We can supply Isowool Brand / Bio-Soluble Ceramic fiber also

Related other materials

Ceramic Fiber Refractory / Gasket (Square/Round) Kaostick / Rigidizer



ASBESTOS FREE CALCIUM SILICATE

Material	2 Foot (600 mm)	3 Foot (915 mm)
Density (kg/m ³)	200~240	170~300
Thickness (mm)	25 ~ 100 (Single Layer)	
Width (mm)	150/300	150 ~610
Service Temp	650°C / 1000°C	
Standard	ASTM C533	



Calcium Silicate Board

Material	2 Foot (600 mm)	3 Foot (915 mm)
Density (kg/m ³)	200~240	170~300
Thickness (mm)	25 ~ 75 (Single Layer)	
Inner Dia	1/4" ~ 72"	1/4"~126"
Service Temp	650°C / 1000°C	
Standard	ASTM C533	



Calcium Silicate Pipe Cover

Material	Tee Joint	Elbow (long/short radius 45°/90°)
Density (kg/m ³)	170~300	
Thickness (mm)	25 ~ 100 (Single Layer)	
Inner Dia	1/2" ~ 18"	1/2"~36"
Service Temp	650°C / 1000°C	
Standard	ASTM C533	



Calcium Silicate Fitting Cover

Other Sizes available upon request

Related Materials



Calcium Silicate Cement

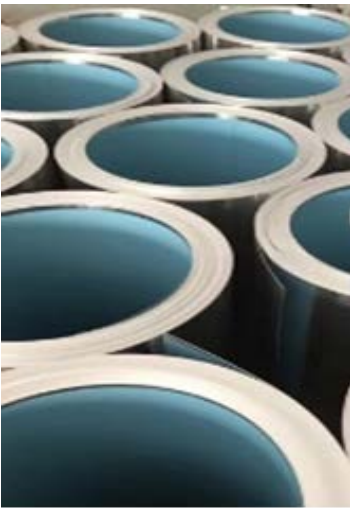
ALUMINIUM JACKETING AS PER ASTM B-209



Stcco Embossed



Kraft Paper Lamination



Polysurlyn Lamination
(Small Roll)



Checker Plate



Plate Sheet



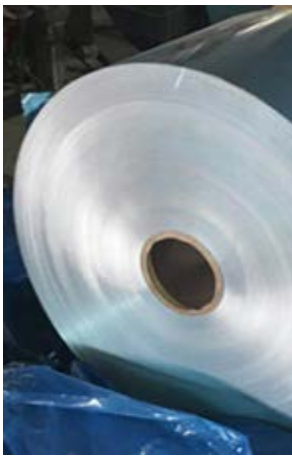
METAL SHEET/COIL & Flat/ Angle Bar



Aluminium Coil



Stainless Steel/GI Steel Coil



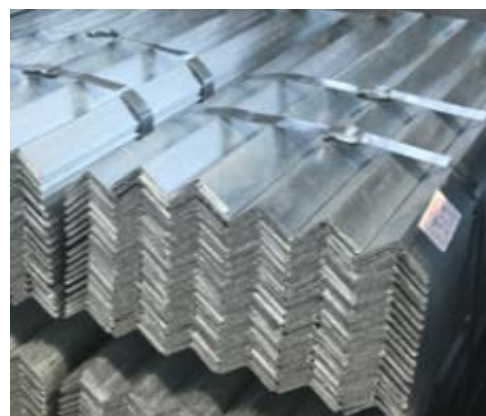
Aluminium/Stainless Steel Foil



Compact Rolls

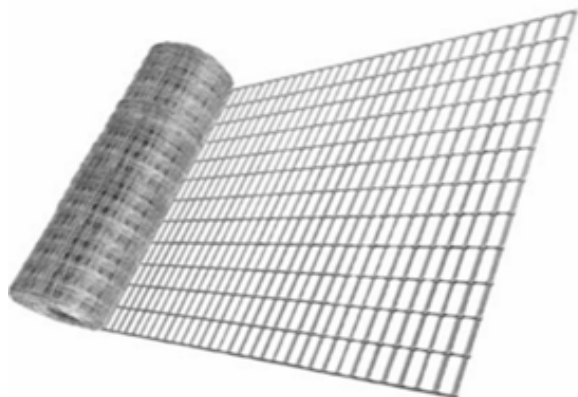


Stainless Steel/GI Flat Bar



Stainless Steel / GI Angle Bar

WIRE MESH/PERFORATED SHEET/EXPANDED METAL MESH



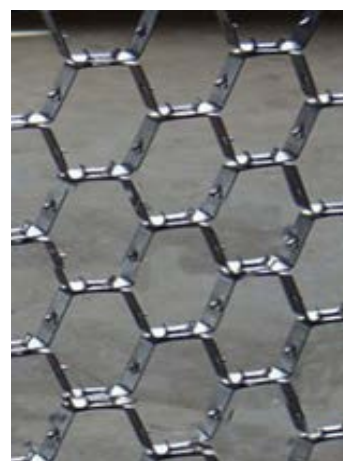
Welded wire mesh



Expanded Metal Mesh



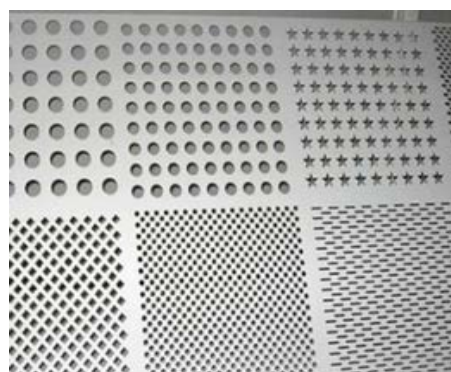
Hexagonal Wire Mesh



Hexsteel



Chain Link Fence



Perforated Sheet

PIN & WASHER



CD Welded Pin



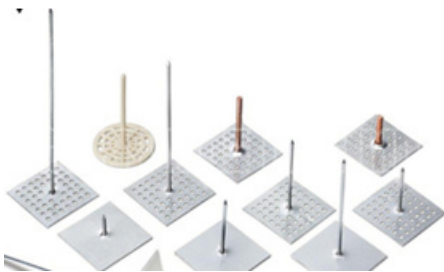
'L' Shaped Pin



Lacing Anchor



Quilt Pin



Spindel Pin



Speed Fix Washer (Square)



SC 150



OC 125



Lacing Hook and Washer



Speed Fix Washer (Round)

WIRE MESH

Material	Nominal Diameter
Stainless Steel 304 Stainless Steel 316 Galvanized Steel	0.7, 0.9, 1.0, 1.2, 1.6, 2.0
Packing	0.5 Kg/Coil/ 20 Coils/Roll or 20Kg/Roll



SCREW / REVET / BOLT & NUT



Self Tapping Screw



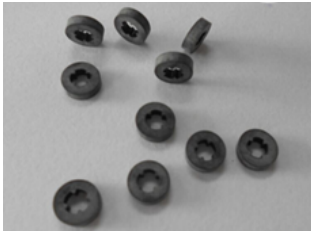
Self Drilling Screw



Self Drilling Screw
with Nylon Washer



Assorted Screws



Neoprene Washer



SS Bonded EPDM Washer



Rivet



Bolt & Nuts

SHEET METAL MACHINES



Electrical Cutting Machine



Hand Folder



Electrical Swaging Machine



Manual Bending Machine



Ruling Machine



Electrical Bending Machine



Manual Cutting



Manual Swaging



Lock Former