

ROCK WOOL Preformed Pipe Section

Rockwool preformed Pipe section conforming ASTM C - 547 and equivalent BS-3958-4 is intended for the thermo-acoustic insulation and fire protection of pipe works operating at temperatures up to 780 ° C. The pipe insulation is manufactured from long non-combustible rock fibers with a high performance binder. It is easy to cut, fit, handle and has high levels of thermal efficiency and strength. Each section is split and hinged for easy, snap-on applications.



Designed for tough thermal and acoustic insulation pipe works its combination of density, strength, and excellent thermal conductivity at high temperatures offer efficient insulation. It is highly applicable for industrial steam and process pipe lines in oil refineries, chemical plants and power stations. It also has the versatility to be used in heating and ventilating or other non-industrial applications.

Facings: This product can be faced with aluminum foil.

Types:

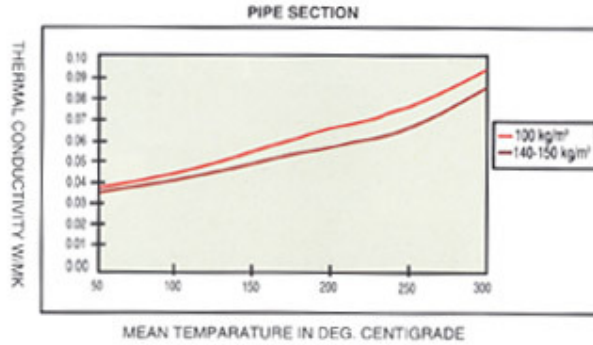
Code	Description
CXXX	Unfaced pipe section
C2XX	Pipe section with aluminium foil facing

Acoustical Properties: Suitable for Acoustical insulation as per BS-3638 and ISO-0354.

Standard Delivery: Thickness are available from 25 mm to 100 mm and 1/4" up to 24" pipe diameters. The density ranges from 90 kg/m³ to 180 kg/m³ for higher pipe sizes bevelled layers are available on request.

Thermal Conductivity: Rockwool pipe section shows remarkably low thermal conductivity values. Typical figures are shown as tested in accordance with ASTM - 335

Mean Temp °C	k-value W/mk 100 kg/m³	k-value W/mk 140-150 kg/m³
50	0.037	0.035
100	0.044	0.041
150	0.052	0.048
200	0.061	0.056
250	0.072	0.065
300	0.084	0.078



Service Temperature: Has a maximum service of 750 °C (1440 ° F) when tested in accordance with DIN 52271 and ASTM C - 411. It can be used in continuous service temperatures up to 850 C°.

Fire Safety: Non combustible when tested in accordance with BS-476 part 4 and ASTM E-136. Class I, when tested in accordance with BS-476 part-7 and ASTM E-84. Fire resistance with integrity up to 240 min and insulation up to 196 min, when tested as per BS-476 part 20.

Compatibility: Compatible with all forms of material with which it is likely to come in contact in normal industrial and building applications.

Physical Properties: Asbestos free with a short content of 4% mass/mass when tested in accordance to BS 2972 : Section 14 and ASTM-612.

Moisture: Water-repellent, non-hygroscopic, non-capillary, it does not absorb any moisture from the air. Moisture has no effect on the stability of the products. Water absorption test certificate conducted under BS 2972 : section 12 and ASTM 209 are available on request.

Chemical Neutrality: Chemically neutral with a pH value of 7.3 when tested in accordance with BS 2972 : Section 22 and ASTM C - 871. It will neither cause nor promote corrosion. It meets the requirements of the standard specification for use over austenitic stainless steel as per ASTM C -692 (Corrosion test) and ASTM C-871 (Chemical Analysis). It contains low level of chlorides when tested in accordance with BS 2972 : Section 21 and ASTM C-871.

Biological properties: Rot-proof, non-hygroscopic, will not sustain vermin and will not encourage growth of bacteria, mould or fungi.

Packaging: Supplied in cardboard cartons and shrink wrapped polyethylene.

Unit Price: For details on price our sales office can be contacted.

Technical advice: For further details of information on technical data, specialist product information, applications, heat loss calculations or economic thickness, our sales office can be approached.

Preformed Pipe Sections Specification

STANDARD CONFORMANCE	
-	<i>ASTM C 547" Standard Specification for Mineral Fiber Pipe Insulation"</i>
-	<i>BS 3958 Part 4 "Specification for Bonded Preformed Mineral Wool Pipe Sections "</i>
-	<i>ASTM C 795 "Standard Specification for Thermal Insulation for use in contact with austenitic stainless steel"</i>
-	<i>Can be used to satisfy BS 5422 "Method for specifying thermal insulating materials for pipes, tanks, vessels, ductwork and equipment"</i>

PROPERTIES	TEST METHOD
DENSITY LENGTH DIAMETER THICKNESS WEIGHT	ASTM C 302 BS 2972 Section 3
SERVICE TEMPERATURE	ASTM C 447/ C 411 & DIN 52271
NON - COMBUSTIBILITY	BS 476 Part 4 & ASTM E 136
FIRE RESISTANCE	BS 476 Part 20 & ASTM E 119
BURNING CHARACTERISTIC	ASTM E 84
THERMAL CONDUCTIVITY	ASTM C 335 & DIN 52613
ACOUSTICAL PROPERTIES	BS 3638 / ISO 354 ASTM C 423 - Sound Absorption
COMPRESSION RESISTANCE	ASTM C 165
CHEMICAL ANALYSIS CHLORIDE FLUORIDE PH	ASTM C 871 BS 2972 Section 21 AGIQ135
CORROSION TEST	ASTM C 692 (Pre-production Corrosion Test)
SHOT CONTENT	ASTM C 1335 / BS 2972 SECTION 14
WATER ABSORPTION	ASTM C 209 SECTION 14 / BS 2972 SECTION 12
WATER VAPOUR SORPTION	ASTM C 1104 / C 1104 M
WATER VAPOUR TRANSMISSION	ASTM E 96/ E 96M
ODOR EMISSION	ASTM C 1304
LINEAR SHRINKAGE	ASTM C 356

Rockwool Semi Rigid Slabs

Rockwool semi rigid slabs are designed for the thermal and acoustic insulation or slightly curved surfaces operating at temperatures up to 750.C. These semi-rigid slabs are produced from long, non-combustible resin bonded fibers. The slabs are easy to cut, fit and handle. The robust fibers in the slabs combine high levels of thermal efficiency and acoustic absorption.



Facings:

Code	Description
C	Black ceiling veil
A.1	Aluminium foil (Fire resistant).
A2	Aluminium reinforced in one direction.
A.3	Aluminium reinforced in two directions.
G	Fiber glass veil.
P	Polyethylene sheet.
K	Kraft paper

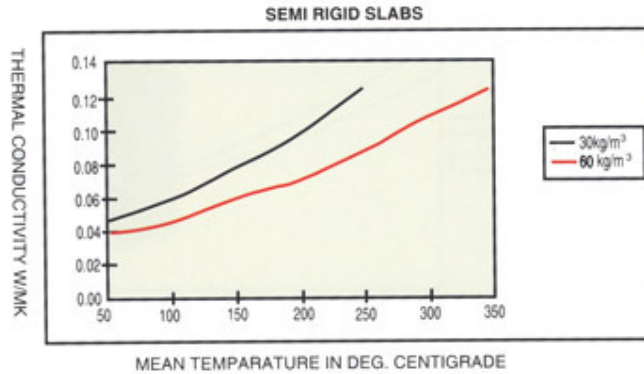
Applications: Designed for a wide range of applications, at both high and low service temperatures. it can be used on flat or slightly curved surfaced for thermal and acoustic insulation.They are also suitable for thermal insulation of ducts, tanks large vessels, cavity walls, curtain walls and sandwich panels.

Standard Delivery: Available in densities of 30 to 60kg/m³ , in standard widths of 500mm and 600mm and lengths of 1000 mm and 1200 mm. Thickness are available from 30 to 100 mm. other sizes are available upon request.

Compatibility: Compatible with all forms of material with which it is likely to come in contact in normal industrial and building applications.

Thermal Conductivity:

Mean Temp °C	k-value W/mk 30 kg/m³	k-value W/mk 60 kg/m³
50	0.047	0.039
100	0.059	0.046
150	0.078	0.060
200	0.098	0.071
250	0.126	0.088
300	-	0.108
350	-	0.126



Thermal conductivity is the main product property of thermal insulation material and products show remarkably low thermal conductivity values. Typical figures are shown below as tested in accordance with BS 874 : 1986.

Service Temperature: Rockwool slabs when tested in accordance with DIN 52271 can withstand temperatures up to 750°C.

Fire Safety: Non combustible when tested in accordance with BS 76 : Part 4 : 1970.

Acoustical Properties: Typical sound absorption figures are shown below in accordance with BS 3638 & ISO 0354:

Hz	30 kg/m ³	60 kg/m ³
125	0.22	0.22
250	0.60	0.63
500	0.86	0.90
1000	0.92	0.98
2000	0.99	1.05
4000	0.98	0.99

Moisture: Water repellent non-hygroscopic and non-capillary, it does not absorb any moisture from air nor does moisture have any effect on the stability of the slabs. Water absorption test certificate (partial immersion) conducted under BS 2972 : Section 12 are available upon request.

Chemical Neutrality: Chemically neutral with pH value of 7.3 when tested in accordance with BS 2972 Section 22. It will neither cause nor promote corrosion. It meets the requirements of the standard specification for use over austenitic stainless steel as per ASTM C-692 (Corrosion test) and ASTM C -871 (Chemical analysis). It contains low level of chlorides when tested in accordance with BS 2972 : Section 21 .

Biological properties: Rot-proof, non-hygroscopic, will not sustain vermin and will not encourage growth of bacteria, mould or fungi.

Packaging: Supplied in shrink wrapped polyethylene.

Unit Price: For details on price our sales office can be contacted.

Technical advice: For further details of information on technical data, specialist product information, applications, heat loss calculations or economic thickness, our sales office can be approached.

Rockwool Rigid Slabs

Fujairah Rockwool rigid slabs conforming to ASTM C - 612 and equivalent BS-3958-5 are designed for thermal and acoustic insulation of flat or slightly curved surfaces operating at temperatures up to 750° C. These semi-rigid slabs are produced from long, non-combustible resin bonded fibers with excellent load bearing characteristics. They are easy to cut, fit and handle. The robust fibers combine high levels of thermal efficiency and acoustic absorption.



Facings:

Code	Description
C	Black ceiling veil
A.1	Aluminium foil (Fire resistant).
A2	Aluminium reinforced in one direction.
A.3	Aluminium reinforced in two directions.

Types:

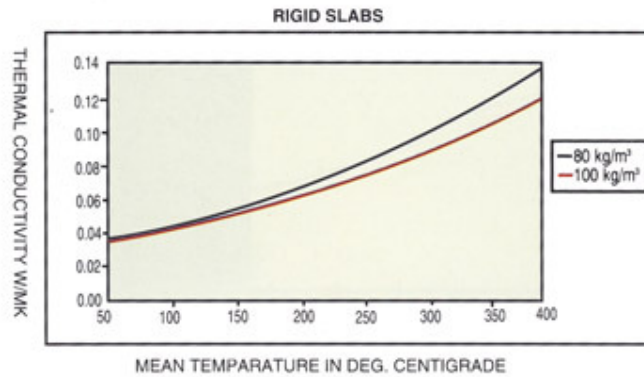
Code	Description
SXXX	Slab without facing
S2XX Class -O	Slab with Aluminium foil (Fire resistant) on one side
S22X Class - O	Slab with Aluminium foil (Fire resistant) facing on both sides
S2XX	Slab with Aluminium foil reinforced on one side
S22X	Slab with Aluminium foil reinforced on both sides
SZXX	Slab Sealed in Polyethylene bag
SG4X	Slab with Black ceiling veil on one side

Applications: Designed for a wide range of applications at both high and low service temperatures. It can be used on both flat and slightly curved surfaces for thermal and acoustic insulation of ductings, ovens, vessels and other industrial equipment. Ideal for insulation of flat surfaces of furnaces, boilers and tank, It is also suited for fire protection of steel structures, insulation of bulk heads and ship decks.

Standard Delivery: Available in wide range of densities from 70 to 140 kg/m³ , in standard widths of 600 mm and lengths of 1000 and 1200 mm. Thickness are available from 30 to 120 mm. Other sizes are available on request.

Thermal Conductivity: Fujairah products show remarkably low thermal conductivity values with typical figures shown below as tested in accordance with BS 874, Equivalent ASTM C 177/C 518 and DIN 52612 standards.

Mean Temp °C	k-value W/mk 80 kg/m ³	k-value W/mk 100 kg/m ³	k-value W/mk 140 kg/m ³
10	0.033	0.033	0.033
50	0.038	0.037	0.037
100	0.046	0.044	0.043
150	0.054	0.052	0.049
200	0.066	0.061	0.058
250	0.080	0.072	0.068
300	0.096	0.084	0.080
350	0.115	0.098	0.093
400	0.134	0.118	0.102



Service Temperature: Can withstand temperature up to 750 ° C when tested in accordance with DIN 52271 and ASTM C - 411

Fire Safety: Non combustible when tested in accordance with BS-476 part - 4 and ASTM E-136. Class I, when tested in accordance with BS-476 part 7 and ASTM E -84. Fire Resistant with integrity up to 240 min. and insulation up to 196 min,when tested as per BS-476 part-20.

Acoustical Properties: Typical sound absorption figures are shown below in accordance with BS 3638 & ISO 0354:

Hz	70 kg/m ³	100 kg/m ³
125	0.22	0.23
250	0.62	0.66
500	0.91	1.05
1000	1.00	1.07
2000	1.00	1.05
4000	0.98	0.97

Compatibility: Compatible with all forms of material with which it is likely to come in contact in normal industrial and building applications.

Moisture: Water-repellent, non-hygroscopic, non-capillary, and does not absorb any moisture from air, Moisture has no effect on stability of slabs. Water absorption test certificate conducted under BS 2972 : Section 12 and ASTM C 209 are available upon request.

Chemical Neutrality: Chemically neutral with a pH value of 7.3 when tested in accordance with BS 2972 : Section 22 and ASTM C-871. It will neither cause nor promote corrosion. It meets the requirements of the standard specification for use over austenitic stainless steel as per ASTM C - 692 (Corrosion) test and ASTM C -871 (Chemical Analysis). It contains low level of chlorides when tested in accordance with BS 2972: Section 21 and ASTM C 871.

Biological properties: Rot-proof, non-hygroscopic, will not sustain vermin and will not encourage growth of bacteria, mould or fungi.

Physical properties: Asbestos free and shot content is very low when tested as per ASTM C 612 and BS-2972

Packaging: Supplied in shrink wrapped polyethylene.

Unit Price: For details on price our sales office can be contacted.

Technical advice: For further details of information on technical data, specialist product information, applications, heat loss calculations or economic thickness, our sales office can be approached.

Rockwool High Density Slabs

Fujairah Rockwool high density slabs conforming to ASTM C 612 and Equivalent BS - 3958-5 are designed for the thermal and acoustic insulation of flat or slightly curved surfaces operating at temperatures up to 750 ° C. These high density slabs are produced from long, non combustible fibers designed to bear high loads. They are easy to cut, fit and handle. The robust fibers combine high levels of thermal efficiency and acoustic absorption.



Facings:

Code	Description
C	Black ceiling veil
A.1	Aluminium foil (Fire resistant).
A2	Aluminium reinforced in one direction.
A.3	Aluminium reinforced in two directions.

Types:

Code	Description
SXXX	Slab without facing
S2XX Class -O	Slab with Aluminium foil (Fire resistant) on one side
S22X Class - O	Slab with Aluminium foil (Fire resistant) facing on both sides
S2XX	Slab with Aluminium foil reinforced on one side
S22X	Slab with Aluminium foil reinforced on both sides
SZXX	Slab Sealed in Polyethylene bag
SG4X	Slab with Black ceiling veil on one side

Applications:

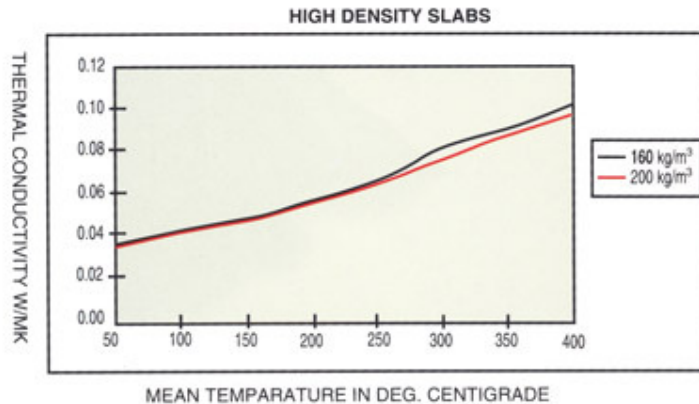
Designed for a wide range of applications at both high and low service temperatures, It is suitable for applications where high compressive strengths are required and where the insulation is subjected to mechanical loads and vibrations. They are ideal for traffic areas and ideal insulation for tank roofs.

Standard Delivery:

Available in densities of 150 to 200 kg/m³, In standard widths of 600 mm and lengths of 1000 and 1200 mm. Thickness vary from 30 to 120 mm. Other sizes are available on request.

Thermal Conductivity: Fujairah Products show remarkably low thermal conductivity values. Typical figures are shown below as tested in accordance with BS 874 : 1986, and equivalent ASTM C - 177/C - 518. (ISO 8302 / ISO 8301)

Mean Temp °C	k-value W/mk 160 kg/m ³	k-value W/mk 200 kg/m ³
50	0.035	0.034
100	0.041	0.041
150	0.048	0.046
200	0.057	0.055
250	0.067	0.064
300	0.079	0.076
350	0.091	0.088
400	0.103	0.098

**Service Temperature:**

Can withstand temperature up to 750 ° C when tested in accordance with DIN 52271 and ASTM C - 411. It can also withstand continuous temperatures up to 850 ° C.

Fire Safety: Non combustible when tested in accordance with BS-476 part - 4 and ASTM E-136. Class I, when tested in accordance with BS-476 part 7 and ASTM E -84. Fire Resistant with integrity up to 240 min. and insulation up to 196 min,when tested as per BS-476 part-20.

Acoustical Properties: Typical sound absorption figures are shown in accordance with BS 3638 & ISO 0354.

Hz	70 kg/m ³	100 kg/m ³
125	0.23	0.22
250	0.70	0.71
500	1.06	1.00
1000	1.07	1.00
2000	1.00	1.00
4000	0.96	0.92

Compatibility:

Compatible with all forms of material with which it is likely to come in contact in normal industrial and building applications.

Compression Resistance:

% Compression	load kPa 200 kg/m ³	load kPa 160 kg/m ³
1	6	4
2	12	8
3	18	12
4	24	16
5	30	20

Moisture: Water-repellent, non-hygroscopic, non-capillary, and does not absorb any moisture from air, Moisture has no effect on stability of slabs. Water absorption test certificate conducted under BS 2972 : Section 12 and ASTM C 209 are available upon request.

Chemical Neutrality: Chemically neutral with a pH value of 7.3 when tested in accordance with BS 2972 : Section 22 and ASTM C-871. It will neither cause nor promote corrosion. It meets the requirements of the standard specification for use over austenitic stainless steel as per ASTM C - 692 (Corrosion) test and ASTM C -871 (Chemical Analysis). It contains low level of chlorides when tested in accordance with BS 2972 : Section 21 and ASTM C 871.

Biological properties: Rot-proof, non-hygroscopic, will not sustain vermin and will not encourage growth of bacteria, mould or fungi.

Physical properties: Asbestos free and shot content is very low when tested as per ASTM C 612 and BS-2972

Packaging: Supplied in shrink wrapped polyethylene.

Unit Price: For details on price our sales office can be contacted.

Technical advice: For further details of information on technical data, specialist product information, applications, heat loss calculations or economic thickness, our sales office can be approached.

Semi – Rigid, Rigid & High Density Slabs Specifications

STANDARD CONFORMANCE	
-	ASTM C 612 "Standard Specification for Mineral Fiber Block and Board Thermal Insulation"
-	BS 3958 Part 5 "Specification for bonded man-made mineral fiber slabs."
-	ASTM C 795 "Standard Specification for Thermal Insulation for use in contact with austenitic stainless steel"
-	Can be used to satisfy BS 5422 "Method for specifying thermal insulating materials for pipes, tanks, vessels, ductwork and equipment"

PROPERTIES	TEST METHOD
DENSITY LENGTH WIDTH THICKNESS WEIGHT	ASTM C 303 BS 2972 Section 3
SERVICE TEMPERATURE	ASTM C 447/ C 411 & DIN 52271
NON - COMBUSTIBILITY	BS 476 Part 4 & ASTM E 136
FIRE RESISTANCE	BS 476 Part 20 & ASTM E 119
BURNING CHARACTERISTIC	ASTM E 84
THERMAL CONDUCTIVITY	ASTM C 177 / C 518, ISO 8302/ISO 8301 EQUIVALENT TO BS 874, DIN 52612
ACOUSTICAL PROPERTIES	BS 3638/ISO 354 ASTM C 423 - Sound Absorption ASTM E 90 - Sound Transmission Loss ASTM E 413 - Sound Transmission Class
COMPRESSION RESISTANCE	ASTM C 165
CHEMICAL ANALYSIS CHLORIDE FLUORIDE PH	ASTM C-871 BS 2972 Section 21 AGIQ135
CORROSION TEST	ASTM C 692 (Pre-production Corrosion Test)
SHOT CONTENT	ASTM C 1335 / BS 2972 SECTION 14
WATER ABSORPTION	ASTM C 209 SECTION 14 / BS 2972 SECTION 12
WATER VAPOUR SORPTION	ASTM C 1104 / C 1104 M
WATER VAPOUR TRANSMISSION	ASTM E 96/ E 96M
ODOR EMISSION	ASTM C 1304
LINEAR SHRINKAGE	ASTM C 356
RIGIDITY AND FLEXIBILITY CLASSIFICATION	ASTM C 1101 / 1101M

Rockwool Blankets

Fujairah Rockwool Blanket conforming to ASTM C - 553, C - 592 and equivalent BS-3958 part - 3 is a lightly bonded insulating material available with or without facing. These products can be faced on one side or both sides to form a firm but flexible multi-purpose insulating materials.



Facings:

Code	Description
A.1	Aluminium foil (Fire resistant).
A2	Aluminium reinforced in one direction.
A.3	Aluminium reinforced in two directions.
w.	Wiremesh

Types:

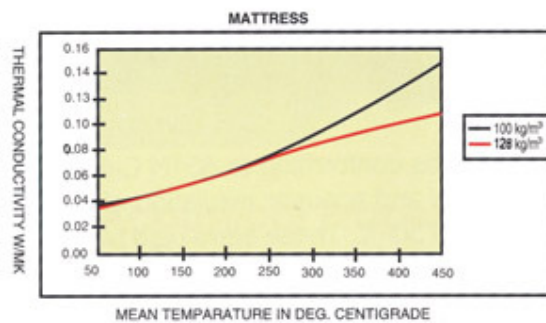
Code	Description
BXXX	Blanket without facing
B2XX Class -O	Blanket with Aluminium foil (Fire resistant) facing on one side
B22X Class - O	Blanket with Aluminium foil (Fire resistant) facing on both sides
B2XX	Blanket with Aluminium foil on one side
B22X	Blanket with Aluminium foil on both sides
BWXX	Blanket with G.1. wire mesh support on one side
BWWX	Blanket with G.1. wire mesh support on both sides
BWXX (S.S)	Blanket with stainless steel wire mesh support on one side
BWWX (S.S)	Blanket with stainless steel wire mesh support on both sides

Applications: Highly recommended for use in the thermal insulation of large vessels, boilers, small machinery, equipment, ducts, flange, valves and plants operating at high temperatures. The Mattress is exceptionally suited for wrapping large curved surfaces or for cutting to fit over irregular shapes.

Standard Delivery: Available in densities of 70 to 150 kg/m³; In standard widths of 1000mm and 1200mm; and 4000mm length. Thickness are available from 30 to 120mm; and 4000mm length. Thickness are available from 30 to 120mm. Other lengths and width sizes are available on request.

Thermal Conductivity: products show remarkably low thermal conductivity values. Typical figures are shown as tested in accordance with corresponding standards.

Mean Temp °C	k-value W/mk 80 kg/m3	k-value W/mk 100 kg/m3	k-value W/mk 128 kg/m3
50	0.038	0.037	0.034
100	0.044	0.043	0.042
150	0.052	0.051	0.050
200	0.063	0.060	0.058
250	0.077	0.072	0.070
300	0.092	0.085	0.081
350	0.110	0.100	0.094
400	0.130	0.118	0.102



Service Temperature: Has a service temperature of 750°C when tested in accordance with DIN 52271 and ASTM C - 411 but can also be used at continuous operating temperatures up to 850°C.

Fire Safety: Non combustible when tested in accordance with BS-476 part-4 and ASTM E-136. Class I, when tested in accordance with BS-476 part 7,(ASTM E-84). Fire resistance with integrity up to 240 min and insulation up to 196 min, when tested as per BS-476, part 20.

Acoustical Properties: Suitable for acoustical insulation as per BS-3638 and ISO 0354 .

Compatibility: Compatible with all forms of material with which it is likely to come in contact in normal industrial and building application.

Moisture: Water repellent, non-hygroscopic, non-capillary it does not absorb and moisture from air. Water absorption test certificates conducted under BS 2972 : Section 12 ASTM C- 209.

Chemical Neutrality: Chemical neutral with a pH value of 7.3 when tested in accordance with BS 2972 : Section 22 and ASTM C-871. It will neither cause nor promote corrosion. It meets the requirements of the standard specification from use over austenitic stainless steel when measured according to standard modes ASTM C -692 Corrosion test and ASTM C-871 (Chemical Analysis). It contains low level of chlorides of 6.5 PPM when tested in accordance with BS 2972; Section 21 and ASTM C - 871 .

Biological properties: Rot-proof, non-hygroscopic, will not sustain vermin and will not encourage growth of bacteria, mould or fungi.

Unit Price: For details on price our sales office can be contacted.

Technical advice: For further details of information on technical data, specialist product information, applications, heat loss calculations or economic thickness, our sales office can be approached.

Fujairah Rockwool Duct wrap

Rockwool Duct wrap is a low density flexible mattress faced with reinforced aluminum foil on one side



Applications: Designed for thermal and acoustic insulation of various applications such as duct and cladding or other equipment in heating, ventilating and air-conditioning applications. Care should be taken during installation to see all lap and joints should be securely sealed to avoid vapor leaks.

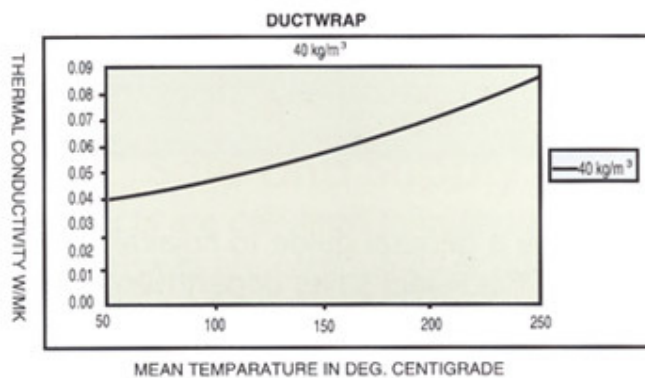
Service Temperature: Has a service temperature of 750° C when tested in accordance with DIN 52271.

Fire Safety: Non combustible when tested in accordance with BS 476: Part 4 : 1970

Standard Delivery: Available in densities of 30 to 50 kg/m³ ; in standard widths of 1000 and 1200 mm; and 5000 mm length. Thickness are available from 30 to 120 mm. Other lengths and width sizes are available upon request.

Facing: Faced with reinforced aluminum foil.

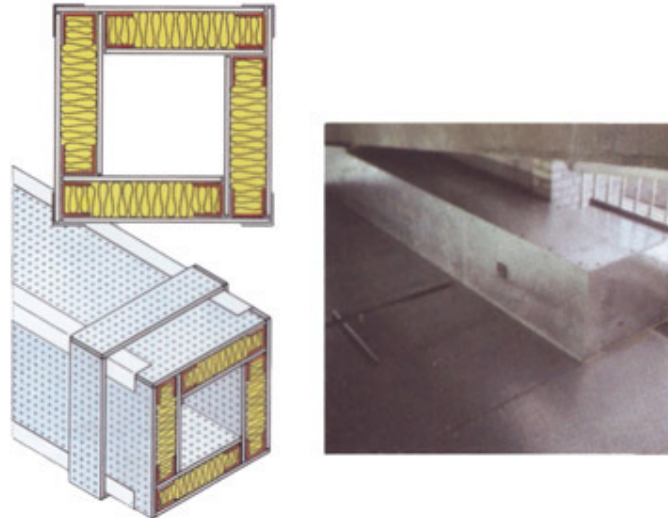
Thermal Conductivity:



Mean Temp °C	value W/mk 40 kg/m ³
50	0.039
100	0.047
150	0.058
200	0.070
250	0.085

Products show remarkably low thermal conductivity values. Typical figures are shown below as tested in accordance with BS 874 : 1986

Compatibility: Compatible with all other forms of material with which it is likely to come in contact in normal industrial and building applications.



Biological Properties: Rot-proof, non-hygroscopic, it will not sustain vermin and will not encourage growth of bacteria, mould or fungi.

Moisture: Water repellent, non-hygroscopic, non-capillary it does not absorb any moisture from the air. Moisture has no effect on the stability of duct wrap. Water absorption test certificate(Partial immersion) conducted under BS 2972 : Section 12 are available on request.

Chemically Neutrality: Chemical neutral with a pH value of 7.3 when tested in accordance with BS 2972 : Section 22. It will neither cause nor promote corrosion. It meets the requirements of the standard specification for use over austenitic stainless steel as per ASTM C - 692 (Corrosion test)and ASTM C - 871 (Chemical Analysis).It contains low level of chlorides at 6.5 PPM when tested in accordance with BS 2972 : section 21.

Packaging: Supplied in polyethylene bags.

Unit Price: For details on price our sales office can be contacted.

Technical advice: For further details of information on technical data, specialist product information, applications, heat loss calculations or economic thickness, our sales office can be approached.

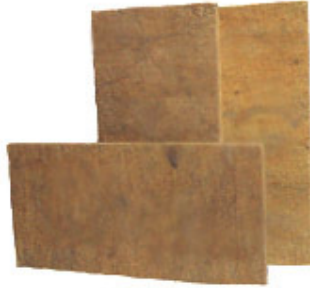
Blankets/Mattress Specification

STANDARD CONFORMANCE	
-	<i>ASTM C 592" Standard Specification for Mineral Fiber Blanket Insulation and Blanket-Type Pipe Insulation (Metal-Mesh Covered) (Industrial Type)"</i>
-	<i>ASTM C 553 "Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications"</i>
-	<i>ASTM C 665 "Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing"</i>
-	<i>ASTM C 795 "Standard Specification for Thermal Insulation for use in contact with austenitic stainless steel"</i>
-	<i>BS 3958 Part 3 "British standard specification for Thermal Insulating Materials Part 3 Metal Mesh faced man-made mineral fibre mattresses"</i>
-	<i>BS 5803 Part 1 "Specification for man-made mineral fibre Thermal Insulation Mats"</i>
-	<i>Can be used to satisfy BS 5422 "Method for specifying thermal insulating materials for pipes, tanks, vessels, ductwork and equipment"</i>

PROPERTIES	TEST METHOD
DENSITY LENGTH WIDTH THICKNESS WEIGHT	ASTM C 167 BS 2972 Section 3
SERVICE TEMPERATURE	ASTM C 447/ C 411 & DIN 52271
NON - COMBUSTIBILITY	BS 476 Part 4 & ASTM E 136
FIRE RESISTANCE	BS 476 Part 20 & ASTM E 119
BURNING CHARACTERISTIC	ASTM E 84
THERMAL CONDUCTIVITY	ASTM C 177 / C 518, ISO 8302/ISO 8301 EQUIVALENT TO BS 874, DIN 52612
ACOUSTICAL PROPERTIES	BS 3638/ISO 354 ASTM C 423 - Sound Absorption ASTM E 90 - Sound Transmission Loss ASTM E 413 - Sound Transmission Class
COMPRESSION RESISTANCE	ASTM C 165
CHEMICAL ANALYSIS CHLORIDE FLUORIDE PH	ASTM C 871 BS 2972 Section 21 AGIQ135
CORROSION TEST	ASTM C 692 (Pre-production Corrosion Test)
SHOT CONTENT	ASTM C 1335 / BS 2972 SECTION 14
WATER ABSORPTION	ASTM C 209 SECTION 14 / BS 2972 SECTION 12
WATER VAPOUR SORPTION	ASTM C 1104/ C 1104M
WATER VAPOUR TRANSMISSION	ASTM E 96/ E 96M
ODOR EMISSION	ASTM C 1304
LINEAR SHRINKAGE	ASTM C 356
RIGIDITY AND FLEXIBILITY CLASSIFICATION	ASTM C 1101 /C 1101M

Rockwool Fire Protection Boards

Rockwool fire protection boards are manufactured from mineral boards to achieve maximum fire protection while at the same time has only the lightest possible weight. It is made with non-combustible mineral wool to achieve the maximum compression behavior.



Advantages: With excellent thermal acoustic and fire insulation properties, Fujairah rockwool fire protection boards are non-combustible, chemically inert, water resistant, vermin and rust proof and even resists high temperatures. easy to handle and maintenance-free these products are extremely cost effective.

Dimensions: Available in L X W : 1200 * 600 of thickness 25, 40, 50 and 75 mm. Other dimensions can also be supplied on request.

Facings: Supplied plain or foil faced for concealed use

Compression Resistance: Have 10 % deformation at 200 KPa.

Service Temperature: Can be used in continuous service at temperatures up to 750 ° C without melting, and withstand temperatures up to 1000° C without melting.

Fire Safety: Non Combustible when tested in accordance with ISO 1182.

Moisture: Impregnated Rockwool products are water repellent.

Corrosion: Since Fujairah rockwool fire protection boards are made practically non-alkaline materials, It does not react chemically and consequently does not promote corrosion.

Environment: No Cfc's or HCFC's are used in the manufacturing of Rockwool products.

Quality Assurance: Well Established quality control system ensures strict quality controls.

Standards: Non-combustible and non-spreading as per BS 476: Part 4 and 8.