High Temperature Specialists

Well-known in the industry for decades, Robco's High Temperature Division supplies high temperature resistant materials to maximize your operation's efficiency and meet extreme conditions found in Oil & Gas, Petrochemical, Pulp & Paper, Mining, Metal Transformation, Power Generation and General Industry. Robco's specialists take pride in the performance of our engineered products that allow you to work smarter.

Since 1911, Robco products are used everywhere in heavy industry as components of original equipment and in aftermarket maintenance and repair.

ISO 9001 and ISO 14001 Certified, our commitment to focusing on engineered solutions has fostered an alignment between our customers' satisfaction and our success while caring for our environment.

Total Cost of Ownership

Our T.C.O. approach to problem-solving often results in our customers saving more than the acquisition cost of the products supplied.

Robco High Temperature Materials are manufactured at our Montreal, Quebec, Toronto and Independence (VA) facilities, thus ensuring unsurpassed quality control and quick turnaround times for our North American customers.

EST. 1911

- **Blankets**
- **Boards / Millboards**
- **Cloths / Fabrics**
- **Papers**
- **Ropes**
- **Sleevings**
- **Tapes**
- **Removable Covers**
- **Specialized Products**

Robco INC.
Engineered Solutions since 1911

www.robco.com

MONTREAL Tel.: 514.367.2252 Fax: 514.367.1144
MISSISSAUGA Tel.: 905.564.6555 Fax: 905.564.6901
EDMONTON Tel.: 780.469.0601 Fax: 780.469.0765

Email: info@robco.com

Heat Resistant Materials - Engineered Plastics - Rubber Products - Metallic Gaskets
Soft Gaskets - Mechanical Seals - Compression Packing - Lubricants & GreaseS

HIGH TEMPERATURE RESISTANT MATERIALS

Robco INC.
Engineered Solutions since 1911

BLANKETS

BLANKETS

	Max. Temp.	Density	Color	Material	Width / Thickness
Robco 1200 Matting Economical dense industrial insulation for piping, power generation, furnaces and ovens, automotive. Removable pads. MIL-I-16411 Type II, MIL-I-24244, ASTM-C-1086-88	1200ºF (649ºC)	6-11 lb/cu.ft (96-176kg/m3)	White	Long needled glass fibers. 100% recycled material	60" / 0.25" - 1"
Robco Insulite Unique lightweight insulation used in removable pads for power generation, steam process, valves and piping where insulation weight during installation is an issue.	1100ºF (593ºC)	5 lb/cu.ft (80kg/)m3)	White	Glass fibers	50" / 0.25" - 1"
Robco Q21 Ceramic Blanket Economical thermal insulation used as primary or secondary refractory insulation.	2000ºF (1093ºC)	6, 8 lb/cu.ft (96-128kg/m3)	White	Long glass fibers. Needled.	24" - 48" / 0.5" - 2"
Robco Q23 Ceramic Blanket General purpose thermal insulation for pads or as primary and secondary refractory insulation.	2100ºF (1149ºC) continuous 2300ºF (1260ºC) maximum	6, 8 lb/cu.ft (96-128kg/m3)	White	Long glass fibers. Needled.	24" - 48" / 0.5" - 2"
Robco Q26 Ceramic Blanket Extreme temperature thermal insulation for pads or as primary and secondary refractory insulation.	2552ºF (1400ºC)	6, 8 lb/cu.ft (96-128kg/m3)	White	Long glass fibers. Needled.	24" - 48" / 0.5" - 2"
QBB-1260 - Biosoluble Blanket General purpose biosoluble thermal insulation for pads or as primary and secondary refractory insulation.	2300ºF (1260ºC)	6, 8 lb/cu.ft (96-128kg/m3)	Light grey	Vitreous silicate fibre. 100% recycled materials.	24" – 48" / 0.25" - 1"
Robsil Silica Matting Mechanically strong at elevated temperatures. Thermal and acoustic insulation, fire protection, heat shields, turbine wrap.	2000ºF (1093ºC)	8-10 lb/cu.ft (128-160kg/m3)	Tan	Long glass fibers. Needled.	36" / 0.125" - 1"
Robco Treo™ - Biosoluble Insulation Strong and safe for furnace lining, thermal and acoustical insulation, fire protection, heat shields, turbine wrap. (Bio-Safe and meets IARC Group 3 for safe use)	1600ºF (870ºC) Continuous 1800ºF (980ºC)	8-11 lb/cu.ft (128-176kg/m3)	Off-White	Vitreous silicate fibre and E-Glass. 100% recycled materials.	24" – 48 - 54"" / 0.25" - 1"

GAUGE GLASS

GAUGE GLASS

	Max. Temp.	Weight	Color	Material	Width, Thickness / Diameter
Maxos® Tempered Borosilicate Gauge Glass	572ºF (300ºC), 608ºF with Mica shield	30-450 psi (200 -3100 kpa)	Clear	Borosilicate 8488 Red : low pressure Green : high pressure	3/4" / 4" – 8-3/8"
Borosilicate Tubular Gauge Glass Standard or Red Line	150ºF (65ºC) 425ºF with Mica shield	100-210 psi (670-1450 kpa)	Clear or Red Line	Standard Borosilicate	8" to 60" / 5/8" – 3/4"
Borosilicate Tubular Gauge Glass Heavy Wall & Heavy Wall Red Line		300-600 psi (2070-4140 kpa)			12" to 48" / 5/8" – 3/4"
Borosilicate Tubular Gauge Glass High Pressure		100-390 psi (670-2690 kpa)			12" to 72" / 1/2"to 1"

High Temp. Resistant Materials

Robco INC. Engineered Solutions since 1911 www.robco.com

COATED GLASS FABRICS

GLASS FABRICS

	Max. Temp.	Weight	Color	Material	Width / Thickness
Robco 2060 Extra-light Glass cloth for insulation for piping, jacketing, fire blankets. Resists most acids, alkalis and solvants. Meets requirements of MIL-C-24244B.	1000ºF (538ºC)	6 oz/yd² (142 g/m²)	White	E-glass continuous silica based filament	50" / 0.0068"
Robco 2175 Cloth Light Glass cloth used for insulation for piping, jacketing, fire blankets. Resists most acids, alkalis and solvants. Fire resistant MIL-C-20079H Type 1, Class 9.	1000ºF (538ºC)	17.5 oz/yd² (595 g/m²)	White	E-Glass continuous texturized multi-filament	40", 60" / 0.032"
Robco 2175 Navy Red Cloth Red colored insulation for piping, jacketing, fire blankets. Resists most acids, alkaiis and solvants. Fire resistant MIL-C-20079H Type 1, Class 9.	1000ºF (538ºC)	17.5 oz/yd² (595 g/m²)	Red	E-Glass continuous texturized multi-filament	60" / 0.032"
Robco 2240 Cloth Medium-light Glass cloth used for insulation for piping, jacketing, fire blankets. Resists most acids, alkalis and solvants. Fire resistant MIL-C-20079H Type 1, Class 9.	1000ºF (538ºC)	24 oz/yd² (814 g/m²)	White	E-Glass continuous texturized multi-filament	40", 60" / 0.055"
Robco 2240 Aluminized Cloth Aluminum foil laminated to glass cloth used for removable pads. curtains, blankets, gloves, pants, jackets, sleeving, lagging cloth, vapor and flange shields.	1000ºF (538ºC)	26 oz/yd² (882 g/m²)	Off-white / Silver	E-Glass continuous texturized multi-filament, aluminum foil	40" - 60" / 0.062"
Robco 2240 Cloth with PTFE Coating Insulation and/or flexible gasketing applications where chemical resistance is needed.	550ºF (288ºC)	24 oz/yd² (814 g/m²)	White to Off-White	E-Glass continuous texturized multi-filament, PTFE Coating	40" - 60" / 0.062"
Robco 2260 with High Temperature Treatment Twill weaved from HT glass, 2260 is ideally suited for continuous exposure to 1400ºF. Applications include: Expansion joints, Jacketing, Fire blankets.	1325ºF (718ºC)	26 oz/yd² (882 g/m²)	Green	E-Glass continuous texturized multi-filament heat treated	60" / 0.045"
Robco 2360 Cloth Medium Glass cloth used for insulation for piping, jacketing, fire blankets. Resists most acids, alkalis and solvants. Fire resistant MIL-C-20079H Type 1, Class 9.	1000ºF (538ºC)	36 oz/yd² (1220 g/m²)	White	E-Glass continuous texturized multi-filament	40", 60" / 0.075
Robco 3000C Series Mineral impregnated glass fabric. Chemical resistance in high temperature fluorinated compound applications for the aluminum industry.	1000ºF (538ºC)	20-100 oz/yd² (678-3390 g/m²)	Black	E-Glass continuous texturized multi-filament with unique inert coating	40" - 60" / 0.03" - 0.13"
Robco 3000CSB Series Heavy silicone (one side) coated fabric impregnated with an inert mineral. Chemical resistance in high temperature fluorinated compound applications for the aluminum industry.	1000ºF (538ºC)	20-100 oz/yd² (678-3390 g/m²)	Black	E-Glass continuous texturized filament with unique inert coating and silicone	20" - 58" / 0.03" - 0.13"
Robco 3640 Cloth Heavy Glass cloth used for insulation for piping, jacketing, fire blankets. Resists most acids, alkalis and solvants. Fire resistant MIL-C-20079H Type 1, Class 9.	1000ºF (538ºC)	64 oz/yd² (2170 g/m²)	White	E-Glass continuous texturized multi-filament	40", 60" / 0.125

COATED GLASS FABRICS

GLASS FABRICS

	Max. Temp.	Weight	Color	Material	Width / Thickness
Robco 6800T Rubberized Cloth Flexible gasket used in flange joints for air, cold water, hot water or brine. Also, for boiler access opening gaskets, heater door, autoclaves, dryers and tank doors.	400ºF (204ºC)	70 oz/yd² (2373g/m²)	Ivory	Rubber coated E-Glass cloth – laminated for thicker versions	40" 0.062" and up
Robco 6800TW Wire-reinforced Rubberized Cloth Wire reinforced flexible gasket used in flange joints for air, cold water, hot water or brine. Also, for boiler access opening gaskets, heaterdoor, autoclaves, dryers and tank doors.	500ºF (260ºC)	72 oz/yd² (2441 g/m²)	Ivory	Wire reinforced rubber coated E-Glass cloth – laminated for thicker versions	40" 0.062" and up
Robco 7170 Silicone Coated Cloth High quality silicone coated fabric used for removable pads.	500ºF (260ºC)	17 oz/yd² (576 g/m²)	Silver	Silicone Coated & Impregnated E-Glass Cloth	60 0.017"
Robco 7171-R Welding Cloth Thin silicone coated fabric used in vertical welding operations.	800ºF (427ºC)	18 oz/yd² (610.30 g/m²)	Red-Oxyde	Silicone Coated E-Glass Welding Cloth	60 0.017"
Robco 7320-Grey Silicone General purpose welding blanket for all types of welding applications. Used in insulation jacketing applications.	480ºF (249ºC)	34 oz/yd² (1153 g/m²)	Grey	Silicone Coated E-Glass Welding Cloth	60" 0.040"
Robco 7320-R Welding Protective Curtains Prefered general purpose welding blanket for all types of welding operations. Used in insulation jacketing applications.	800ºF (427ºC)	32 oz/yd² (1085 g/m²)	Red-Oxyde	Silicone Coated E-Glass Welding Cloth	60" 0.40"
Robco 9140 PTFE Coated Cloth Fabric, impregnated, coated and sintered with PTFE Used in the fabrication of insulation removable covers.	600ºF (316ºC)	14 oz/yd² (475 g/m²)	Grey	PTFE Coated & Impregnated E-Glass Cloth	60" 0.014"
Robco 9165 PTFE Coated Cloth Fabric, imprenated, coated and sintered with PTFE. Most popular choice for insulation removable covers.	550ºF (288ºC)	17 oz/yd² (576 g/m²)	Grey or Aluminum Other colors available	PTFE Coated & Impregnated E-Glass Cloth	60" 0.017"
Robco 9180 PTFE Coated Cloth Fabric, imprenated, coated and sintered with PTFE. Used in the fabrication of insulation removable covers.	550ºF (288ºC)	18 oz/yd² (610 g/m²)	Grey	PTFE Coated & Impregnated E-Glass Cloth	60'' 0.018"
Robco GVC 2000 Vermiculite Coated Cloth Mineral coating allows short term high temperature exposure. For safety apparel, curtains, blankets, shields, insulation for piping, jackets and gasketing.	1000ºF (538ºC)	18 oz/yd² (610 g/m²)	Gold	Vermiculite Coated E-Glass Cloth	40" 0.035"
Robco GVC 3500 Vermiculite Coated Cloth Mineral coating allows short term high temperature exposure. For safety apparel, curtains, blankets, shields, insulation for piping, jackets and gasketing.	1000ºF (538ºC)	35 oz/yd² (1187 g/m²)	Gold	Vermiculite Coated E-Glass Cloth	40" - 60" 0.06"

High Temp. Resistant Materials

Robco INC. www.robco.com
Engineered Solutions since 1911

BOARDS AND PAPERS

BOARDS AND PAPERS

	Max. Temp.	Weight	Color	Material	Width / Thickness
Robco 700 Millboard High density board with fire resistance, used as high temperature insulating plates, thermal barrier for crucibles, gaskets, insulation for boiler or furnace doors, etc.	1830ºF (1000ºC)	60 lb/ft3 (0.96 g/cm3)	Beige	Mineral wool fibre, inert fillers	40" x 40" 3/32" - 1/2"
Robco 720 Millboard Economical board with fire resistance, used as high temperature insulating plates, thermal barrier for crucibles, insulation for boiler or furnace doors, etc.	1830ºF (1000ºC)	62.3 lb/ft3 (1 g/cm3)	Beige	Mineral wool fibre, inert fillers, coating	40" x 40" 3/32" - 1/2"
Robco Ceramic Board 805 Economical semi-rigid insulation. Ideal for use as high temperature/low pressure gaskets. Low thermal conductivity and homogeneous density.	1925ºF (1052ºC)	14 - 22 lb/ft3 (0.23 - 0.35 g/cm3)	Beige	Ceramic Fibers, Binding Materials	24"x 36" 36"x 47" 0.5", 1", 1.5", 2"
Robco Ceramic Board 806 Semi-rigid insulation. Ideal for use as high temperature/low pressure gaskets. Low thermal conductivity and homogeneous density.	2300ºF (1260ºC)	14 - 22 lb/ft3 (0.23 - 0.35 g/cm3)	Beige	Ceramic Fibers, Binding Materials	24"x 36" 36"x 47" 0.5", 1", 1.5", 2"
Robco Ceramic Paper 630 Economical soft insulation material also used for high temp and low pressure gasketing. Fair thermal conductivity.	1850ºF (1010ºC)	11 lb/ft3 (0.18 g/cm3)	White	Ceramic Fibers, Binding Materials	48" 1/32" - 1/4"
Robco Ceramic Paper 990 Soft insulation material also used for high temperature and low pressure gasketing. Low thermal conductivity.	2300ºF (1260ºC)	12.5 lb/ft3 (0.20 g/cm3)	White	Ceramic Fibers, Binding Materials	24", 48" 1/32" - 1/4"
Robco Mica Slip-Plane Rigid sheet Refractory separator for coiless induction furnaces. Acts as electrical and thermal insulator, vapor-barrier and protects coil from over-heating. Enables easy push-out of refractory. Various grades available, including with liners.	1800ºF (982ºC)	0.05-0.1 lb/ft3 (250 - 480	Greenish	Phlogophite mica, silicone binder	40" 0.0016" 0.0020"
Robco Mica Phlogopite The best choice for sheathing, refractory, separator and insulation foil. Its resilience is useful for some applications. Meets: IEC 371-3, VDE 0332 / DIN 40612 – FLM	1292ºF (700ºC)	137 - 143 lb/ft3 (2.2 - 2.3 g/cm3)	Grey-Green	Phlogophite mica, silicone binder	24"x 36" 36"x 47" 0.003" 0.078"
Robco Mica Plate M Press Insulation between Platen and Die. Thermal and Electrical Insulators. Replaces Asbestos Cement Plates.	932ºF (500ºC)	134 lb/ft3 (2.15 g/cm3)	Greyish	Muscovite mica, bonding material	40" 0.004" - 4"
Transite HT An economical liner for core, drying and carrying plates, induction furnaces, casings. busbar supports, electrode arm insulation. Used as load bearing gaskets, spacers, supports and machined parts for OEM applications.	1000ºF (538ºC)	100 lb/ft3 (1.6 g/cm3)	Grey	Vitreous silicate fibre. Aluminum Foil.	40" - 48" 0.05" - 1.15"

ROPES

ROPES

	Max. Temp.	Density	Color	Material	Diameter
Robco 273 Rope Medium density packing rope for doors on wood stoves, Industrial ovens and boilers as well as tadpole tape core.	1000ºF (538ºC)	Medium	White	E-Glass texturized yarn. Round braided - medium density	0.25" - 3" OD
Robco 280 Biosoluble fiber Specialty rope designed to provide sealing during rodding of cathodes with collector bars.	1832ºF (1000ºC)	Dense	Green	Biosoluble fiber – small amount organic binder. Square or round braided	0.25" - 2" OD
Robco 290 Crucible Lid Seal Custom-made for crucible lid covers found in the aluminium industry, this dense packing rope can incorporate various elastomeric core, Inconel wire reinforcement as well as surface mineral coatings to enhance resiliency, sealability and lifespan.	1700ºF (925ºC)	Very dense	Blue / Gold	Chemically treated Glass with additives. Square, rectangular or round braided	Custom
Robco 290 Series Ropes Heavy duty packing rope for coke batteries, goose necks, tapping crucible seal. **290 - Firm Density, 292 - Medium Density, 295 - Soft Density**	1400ºF (750ºC)	Varies	Blue / Gold	Chemically treated Glass. Square or round braided	0.25" - 2" OD
Robco 350-D Rope (Tight Knit) Economical packing rope for doors on wood stoves, Industrial ovens and boilers as well as tadpole tape core.	1000ºF (538ºC)	Soft	White	"E" glass, continuous filament. Knitted dense	0.1875" - 1.25"
Robco 350-S Rope (Loose Knit) Economical packing rope for doors on wood stoves, Industrial ovens and boilers as well as tadpole tape core.	1000ºF (538ºC)	Very soft	White	E-Glass texturized yarn. Knitted soft	0.1875" - 1.25"
Robco 78 Glass Lagging Rope Consists of HT fibers assembled with an open braided jacket used for lining steam lines.	1000ºF (538ºC)	Very dense	White	Bulk high temperature fibers held by light braided jacket.	0.5", 0.75'', 1" OD
Robco Ceramic Ropes (274 Twisted, 275 Round or Square) High temperature gasketing and packing for boilers and furnaces. Used as tadpole seal core. Also available with with Inconel wire insertion.	2300ºF (1260ºC)	275 - Dense 174 - Medium	White	Ceramic fiber and small amount of organic binder. Square or round braided firm	0.25" - 2" OD
Poly / Fiberglass Knitted Rope Braided specifically to attach removable pad covers exposed to outside elements.	450ºF (232ºC)	NA	Off-White	Knitted polyester jacket and E-Glass core.	0.196" OD
Silica Twisted and Braided Ropes Packing for high temperature sealing applications; such as tadpole tape cores, furnace door gaskets, high temperature caulking, and coke oven door seals.	3000ºF (1649ºC) Continuous 1832ºF (1000ºC)	NA	Tan	96% minimum Silica. Round Braided	0.25" - 2" OD

High Temp. Resistant Materials

Robco INC. Engineered Solutions since 1911 www.robco.com

SILICA / CERAMIC FABRICS

SILICA / CERAMIC FABRICS

	Max. Temp.	Weight	Color	Material	Width / Thickness
Robco 84CH & 188CH Ideal extreme temperature welding protection. Thermal and electrical insulation. Reducing heat loss in oven and furnace operations. 188CH is recommended for horizontal welding.	3000ºF (1649ºC) Continuous 1832ºF (1000ºC)	18-36 oz/yd² (610-1221 g/m²)	Tan	96% minimum Silica	36" 0.026" - 0.054"
Robco 84CH & 188CH Aluminized Cloth Extreme temperature fabric used in protective clothing such as gloves, mittens, pants and jackets.	3000ºF (1649ºC) Continuous 1832ºF (1000ºC)	21-39 oz/yd² (712-1322 g/m²)	Silver / Tan	Silica cloth, Mylar aluminized	36" 0.026" - 0.054"
Robco 84CSR & 188CSR Silicone Coated Silicone coated to prevent fabric contamination, while silica cloth provides maximum thermal protection. Used to protect sensitive equipment in filthy environments.	1832ºF (1000ºC)	19-38 oz/yd² (450-900 g/m²)	Red one side / Tan	Silicone coated 96% Silica cloth	36" 0.031" - 0.056"
Robco 135W & 135F Ceramic Cloths Extreme temperature fabric mainly used to produce tadpole gaskets, exhaust line covers and wrapped protection. **135W is Inconel wire reinforced / 135F is glass reinforced**	1200ºF-2000ºF (650ºC-1093ºC)	44-46 oz/yd² (1491-1560 g/m²)	White	Spun ceramic fiber onto Glass or Inconel carrier	36" 0.125

SPECIALIZED FABRICS

SPECIALIZED FABRICS

	Max. Temp.	Weight	Color	Material	Width / Thickness
Robco CLT 9704-2F (for expansion joints) Laminated coated fabric specifically for expansion joint belts. Heavy coating and and film provide outstanding chemical resistance.	600ºF (315ºC)	41 oz/yd² (1380 g/m²)	Tan	Heavy E-Glass saturated, coated and laminated with specialty Perfluoroplastic	60" 0.04"
Robco EJTM12 100% PTFE film provides outstanding flexing and chemical resistance for expansion joints, removable pad covers, tubing and steam lines.	500ºF (260ºC)	34 oz/yd² (1153 g/m²)	Blue / Gray	100 % PTFE film	60" 0.012"
Robco Kevlar®/Nomex® Cloth High abrasion resistant cloth for piping, jacketing, flexible gaskets where high heat and mechanical strength is needed.	400ºF (204ºC)	22 oz/yd² (746 g/m²)	Yellow	Kevlar/Nomex yarns,E-Glass, aluminized mylar	40" - 60" 0.065"
Robco Kevlar®/Nomex® Cloth Aluminized High abrasion resistant cloth used in protective clothing such as gloves, mittens, pants and jackets.	400ºF (204ºC)	17 oz/yd² (576 g/m²)	Silver and Yellow	Kevlar/Nomex yarns,E-Glass, aluminized mylar	40" 0.071"
Robco Perfluoroplastic Coated Kevlar® Fabric Material of choice where durable, impermeable, flexible fabric is required for expansion joint belts, tadpole tapes and other applications where high mecanical strenght is needed.	400ºF (204ºC)	10 oz/yd² (339 g/m²)	Yellow	Perfluoroplastic / Kevlar composite	50" - 60" 0.010"
Robco 50-1406 Heavy PTFE coated expansion joint belt glass fabric laminated with insulation mat for applications requiring an upper use continuous temperature of 1000ºF.	1000ºF (538ºC)	101 oz/yd² (3425 g/m²)	Beige	E-glass insulation & fabric – heavy PTFE	60" 0.54"

SPECIALIZED FABRICS

SPECIALIZED FABRICS

	Max. Temp.	Weight	Color	Material	Width / Thickness
RobcoGuard Plastic Flame-Retardant Protection Temporary protection for all types of indoor and outdoor finishes such as walls, paneling, bulkheads and doors. Also useful for protecting large objects and large furniture.	-13ºF to 230ºF' (-25ºC to 110ºC)	4 - 26 oz/yd² (135 – 882 g/m²)	Blue	Flame Retardant Polyethylene / Polyester Scrim	36"- 72" 0.023" – 0.031"
RobcoGuard Floor Temporary protection of carpet, vinyl, lino, screed, wood, steel, poured resin floors, walkways, open areas, weather decks, flight decks, pillars, bulkheads cabins and control rooms.	-13ºF to 230ºF' (-25ºC to 110ºC)	4 - 26 oz/yd² (135 – 882 g/m²)	Blue	Flame Retardant Polyethylene	36" - 72" 0.006" - 0.04"
Robco Knitted Wire Insulation Mesh Ideal for fabricating removable and reusable insulation blankets for thermal insulation systems. Excellent for marine, aerospace, industrial, and commercial pad construction.	304 900ºF (482ºC)	321 1200ºF (649ºC)	Inconel 2300ºF (1260ºC)	Monel 400 2000ºF (1093ºC)	

FABRICATED PRODUCTS

FABRICATED PRODUCTS

	Max. Temp.	Weight	Color	Material	
Robco Larry Car Seal Superior specialty gas seal used mostly on coke batteries and homogenizing furnaces where durability is essential.	2000ºF (1093ºC)	NA	White	Inconel 601,wire mesh, ceramic, silica	Custom-sizes
Robco Waste Gas Boots Flexible connectors operating at extreme temperatures, especially on anode baking pits.	500 - 2300ºF (260 - 1260ºC)	Full vacuum to 5 psi (35 kPa)	Orange / Beige	Varies upon requirements	3" to 96" DIA
Robco Enviropak B.O.P. Ram Seal High pressure sealing component for use in blow out preventers using steam injection during oil extraction.	650ºF (343ºC)	3000 psi (20.7 Mpa)	White	High temperature substrate, PTFE, binder	As requested
Robco Tadpole Tapes Used to seal oven doors or furnaces, where thermal conditions are elevated while pressures are minimal.	750-1500ºF (400-816ºC)	Fabric: 84ch-188ch GVC3500 2175, 2240, 135	Core: Stainless steel. Silica rope & inconel,	Available Coating: Dye, Graphite, Mica, Silicone, Vermiculite, PTFE	As requested

TAPES AND TUBINGS

TAPES AND TUBINGS

	Max. Temp.	Weight	Color	Material	Diameter
Robco 1000 Braided Sleeving Economical protection for hydraulic hoses and electric cables, steam tracer wrap, covering for glass handling equipment.	1000ºF (538ºC)	N/A	White	E-Glass continuous filament	0.25" - 4" ID
Robco 1010 Knitted Tubing Economical extra flexible protection for hydraulic hoses and electric cables, steam tracer wrap, covering for glass handling equipment.	1000ºF (538ºC)	N/A	White	E-Glass continuous filament	0.25" - 5" ID

High Temp. Resistant Materials

Robco INC. Engineered Solutions since 1911 www.robco.com

TAPES AND TUBINGS

TAPES AND TUBINGS

	Max. Temp.	Weight	Color	Material	Width / Thickness
Robco I180 & F120 Ceramic Tapes Extreme temperature insulation tape used as gasket and wrapping material. Main usages include: furnace coil insulation. cable and wire insulation, infrared radiating diffusers, "mop style" curtains. **I180 is Inconel wire reinforced / F120 is glass reinforced**	I180: 2000ºF (1093ºC) F120: 1200ºF (650ºC)	N/A	White	Spun ceramic fiber on M-Glass or Inconel carrier – small amount organic binder	1" - 3" 0.125"
Robco GW-Series Fiberglass Tape Used as low pressure/high temperature gasket on thin flanges as well as wrapping of pipes, odd shapes, etc. where high temperature is an issue.	1000ºF (538ºC)	N/A	White	E-Glass continuous filament	0.5" - 6" 0.062", 0.125", 0.25"
Robco GW-Series Fiberglass Drop Warp Tape Ladder weaved high temperature tape to allow easy bolting on thin flanges.	1000ºF (538ºC)	N/A	White	E-Glass continuous filament	0.75" - 4" 0.062", 0.125", 0.25"
Robco Silica Sleeving Molten metal resistant flexible sleeving for protection for pneumatic and hydraulic hose covering and electric cable protection.	3000ºF (1649ºC) Continuous 1832ºF (1000ºC)	N/A	Tan	96% minimum Silica	0.25" - 4.25" 0.06"
Robco Silicone Coated Fiberglass Sleeving Impervious Silicone coating prevents fluid absorption. High-temperature protection for pneumatic and hydraulic hose covering and electric cable protection.	500ºF (260ºC)	N/A	Red-Orange	E-Glass yarn, thick silicone coating	0.25" - 3" ID 0.017"
Robco Woven Silica Tapes Extreme heat insulation or thermal protection; Power generation, furnace, shipbuilding, construction, welding and metal processing industries. Also used as "mop style" furnace curtains, furnace door gasketing and high temperature seals.	3000ºF (1649ºC) Continuous 1832ºF (1000ºC)	N/A	Tan	96% minimum silica "woven edges"	1" - 6" 0.015" - 0.125"

ROPES

ROPES

	Max. Temp.	Density	Color	Material	Diameter
Robco 267 Firm Rope (Round or square) Firm density packing rope for doors on wood stoves, Industrial ovens and boilers as well as tadpole tape core.	1000ºF (538ºC)	Dense	White	E-Glass yarn. Square or round braided - high density	0.25" - 2" OD
Robco 267 with PTFE Sealing of pressure vessels lid seals, valves, boilers, autoclaves, etc. where a high density packing is required.	500ºF (260ºC)	Dense	White	E-Glass yarn. Saturated with high volume PTFE. Square or round braided	0.25" - 2" OD
Robco 271 Rope An excellent seal for wood stoves, caulking for oven or furnace doors, lining for expansion joints, and core for high temperature packing.	1000ºF (538ºC)	Souple	White	E-Glass continuous filament. Twisted round	0.25" - 2" OD

Tradition in Innovation

Robco High Temperature Materials for Heavy Industry

We believe that the best way we can support our customers is by saving energy while protecting personnel, equipment and avoiding injuries: Robco High Temperature Resistant Materials.

Manufacturing Capability

We're ready! We invest in state-of-the-art equipment to produce quality parts at the best possible cost: whether in the fabrication of small batches of intricate parts or large volume production.


Engineering Group

You're looking for the best possible life cycle-cost for your applications; we develop custom products to achieve exactly this. Helping our customers is what makes our job fun! We test, reverse-engineer and develop products that will meet your needs.


Implicit Industry Knowledge

Time flies! 100 years in business means a lot of experience under our belt through implicit industry knowledge. The culture of supporting our customers with products that provide value remains intact. You are in good hands with us!

Fabrics, Ropes, Sleevings and Tapes

Available in a choice of thicknesses, grades, weaves, coatings and densities. Fabrics are mostly used as heat shield during welding operations or molten metal works. Ropes and Tapes are manufactured as HT gasket applications, on furnaces, tapping crucibles, etc.

Blankets, Boards and Papers

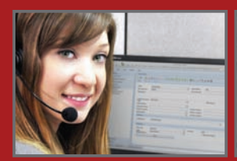
Available in a range of thicknesses, grades and densities. Engineered to insulate / seal the highest temperatures found in heavy industry from 500ºC to 1650ºC (900ºF to 3000ºF). Robco manufactures blankets using a unique, patented process. Cut to size parts available.

Removable Insulating Covers

Robco is the sole vertically-integrated manufacturer of HT removable insulation in Canada. We produce the lightest, most efficient pads on the market, thanks to our unique insulation blankets. All parts custom-made to your requirements to save energy, protect your personnel and reduce thermal exposure in enclosed areas.


Expert Customer Service

Our on-site technicians, high temperature materials and Customer Service departments are availlable to guide you and answer all your questions in the selection of the ideal product for your application.




We know the Industry

Robco is one of the very few companies in the world that both specializes in fluid sealing components and heat resistant materials, bringing an unequal expertize at your service. Our engineers will identify the optimal product for your applications.


Servicing Heavy Industry