



THERMAL CONTROL PRODUCTS, INC.

Custom Thermal and Protective Components



www.thermalcontrolproducts.com
704.454.7605

ABOUT



THERMAL CONTROL PRODUCTS, INC.

COMPANY

Thermal Control Products specializes in the custom manufacturing of thermal and protective components. We produce products for the professional motorsports industry, commercial transportation, industrial and military markets.

Thermal Control Products is an innovative manufacturer that is constantly creating and re-inventing not only the products themselves, but also the method by which they are manufactured. Our product lines are some of the finest manufactured products in the world. Thermal Control Products continues to expand their capabilities, developing lighter and more thermally effective products that are completely specialized for the end user, while maintaining the highest standard of quality that each application demands.

Our mission is to thoroughly satisfy our customer requirements while exceeding their expectations. We will strive for unequivocal excellence in all aspects of the company while maintaining a healthy rate of return to insure future investment and growth in the company and its people.

Excellent products made by excellent people.



PARTNERS

BSCI combines their lightweight foam with the protective fabrics at Thermal Control Products in the fabrication of lightweight seats, headrests, door pads, leg braces, and knee knockers in the racing industry. Thermal Control Products is also a distributor of BSCI foam products.



Thermal Control Products is an official distributor of CarbonX®, manufacturer of fabrics that offer the highest level of protection in dangerous environments including direct exposure to flame, molten metal, or arc flash. To read about our partnership, visit our website.



Red Eye Designs and Thermal Control Products join forces to design and produce professional, high-quality printed graphics that can be applied to countless custom products that promote companies, sponsors, events, and teams.

TABLE OF CONTENTS

INDUSTRIAL HEAT SHIELDS

- Stainless Steel Heat Shield 4
- Quilted Heat Shield 4
- Aluminum Rigid Heat Shield..... 4
- Turbo Charger Cover 5
- Scatter Shield 5

TEXTILE THERMAL BARRIERS

- ZeroClearance®..... 6
- PSA Aluminized Fiberglass..... 6
- Gold Foil 7
- Reflective Foil Tape w/ Silicone Adhesive 7
- Lightweight Thermal Floor Insulation 7
- Lightweight Thermal Barrier 8

THERMAL SLEEVING / WRAP

- Aluminized Corrugated Sleeve 9
- Aerostyle PyroJacket Firesleeve..... 9
- Volcano Wrap Rock Tape 9
- Dual Wall Velcro Line Sleeve 10
- Aluminized Fiberglass Line Sleeve 11
- Aluminized Kevlar Line Sleeve 11

PERFORMANCE FABRICS

- CarbonX® 12
- Aluminized Fiberglass..... 12
- Aluminized Kevlar..... 12

WELDING COMPONENTS

- Metal Fabrication Shot Bag..... 13
- Welding Sleeve 13
- Welding Blanket..... 13
- Welding Hot Pad..... 13

RACING PRODUCTS

- SFI Shifter Boot 14
- Throttle Rod Cover 14
- Heel Protectors..... 14
- Knee Knocker 14
- Oil Filter Cover 15
- Oil Tank Blanket..... 15
- Drink Bag System..... 16
- Spark Plug Boot 16
- Master Cylinder Cap Cover 16
- Hub/Rotor Cover 16
- Steering Wheel Pad..... 17
- Helmet / Visor Bags..... 17
- Fabricated Shot & Ballistic Bag..... 17
- ID / Lockout Tags 17

PROTECTIVE COVERS

- Wrappable Ballistic Line Sleeve 18
- Paint & Emblem Protectors 19

CAR COVERS

- Full Car Cover..... 20
- ¾ Rain Car Cover 20
- Greenhouse Cover 20
- Windshield Cover 21
- Butterfly Cover 21

CAPABILITIES

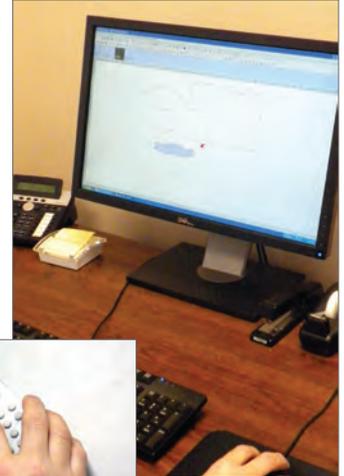
Thermal Control Products is a **Solutions Provider**. We strive to stay on top of the industry's latest technology and textile developments while maintaining the highest standard of quality. Our in-house capabilities allow us to efficiently and precisely produce custom products that consistently exceed our customers' expectations.

CAD/CAM DESIGN

Thermal Control Products' offers in-house **Computer-Aided Design (CAD)** and **Computer-Aided Manufacturing (CAM)** of textile products, which include but are not limited to aluminized fiberglass and Kevlar, flame retardant fabrics, ceramics, water repellent and water resistant materials, and EMI/RFI materials.



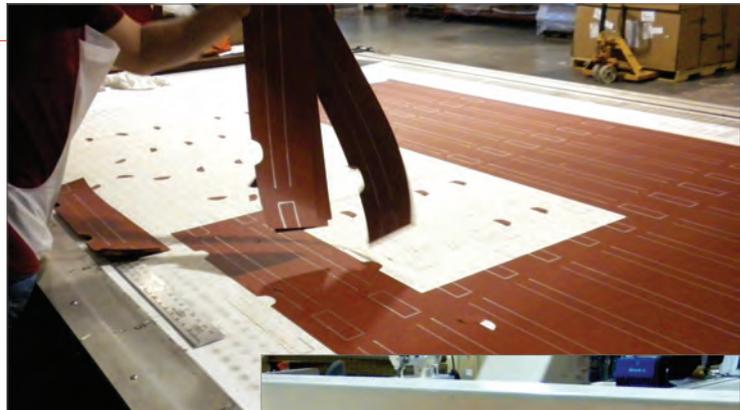
Pattern Being digitized



INDUSTRIAL FABRICATION

Thermal Control Products' modern technology and skilled engineers allow us to offer a full service approach from conception and design through prototype to full-blown production. Our products range from custom single and multi-layered heat shields to numerous types of protective cover applications.

Our modern, computerized, industrial sewing machines allow us to fabricate with the toughest materials including leather, Kevlar, and ballistic nylons. Computerized sewing machines and automatic cutters enhance our efficiency and precision while producing custom, high-quality products.



CNC CUTTING

Using our **Eastman M9000 Static Cutting System**, we are able to make computer-controlled, precision cuts to material for quality construction of our products.

Watch the video, on our website, for a demonstration of how our **CNC Cutting System** works.

see video at
thermalcontrolproducts.com

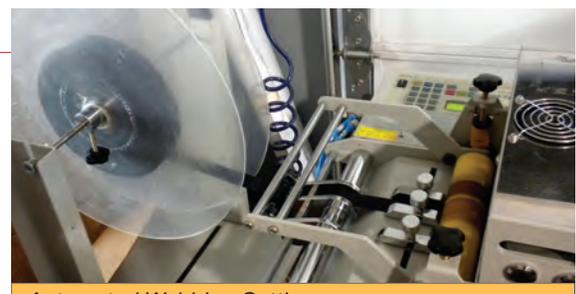
CAPABILITIES

AUTOMATED FEATURES

AUTOMATED WEBBING CUTTING

Thermal Control Products in-house automated webbing cutter offers precise, efficient cuts in custom lengths. The machine utilizes heat to leave neat, non-fraying ends and is capable of cutting a variety of materials.

Watch the video on our website for a demonstration of how our automated webbing cutting system works.



Automated Webbing Cutting

DIE CUTTING

Thermal Control Products offers custom steel-rule die-cutting for a variety of materials in standard and custom shapes. Choose from one of our high-performance materials and we will design and produce a custom cut piece for your application.



Die Cutting

ROLL SLITTING

Thermal Control Products offers roll slitting to make larger projects more manageable. We are capable of slitting rolls of vinyl, foam, rubber, self-adhesive materials, high-performance fabrics and many other materials in custom widths to suit your needs.



Roll Slitting

CUSTOM GRAPHICS

EMBROIDERY

Add a corporate, sponsor or team logo to one of our custom products for further specialization. We can digitize your logo, or choose from a selection of stock images and fonts.



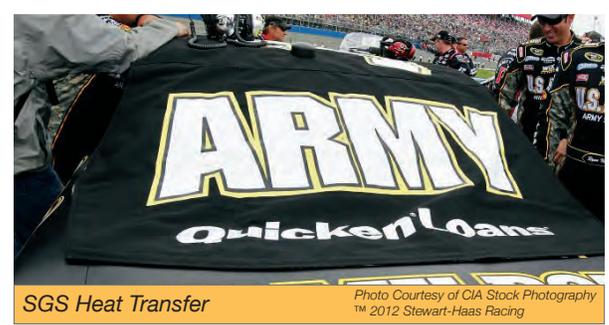
Embroidery

SEWN-ON GRAPHICS

Printed graphics can be sewn-on to our products for a clean, professional look. This method is extremely durable, as the artwork maintains its crispness and color longer, even when exposed to the elements. Artwork can be printed in a wide range of sizes to fit your needs.

SGS HEAT TRANSFER

Our in-house SGS 100 Graphics Machine bonds fabrics and 3M films together using a vacuum system and heat lamps, producing custom, vibrant, long-lasting graphics. SGS Thermal Digital Print film is a flexible urethane film that can be digitally printed and then applied to a variety of fabrics. The film, when combined with heat, provides a bond that is particularly useful in applications where the fabric must be flexible.



SGS Heat Transfer

Photo Courtesy of CIA Stock Photography
™ 2012 Stewart-Haas Racing

INDUSTRIAL HEAT SHIELDS

Providing excellent Thermal Performance with enhanced safety features such as “Touch and Burn” prevention, all of our Industrial Heat Shields can be customized to your specific application. Options include shape, size, and installation hardware, which include grommets or stainless steel D-rings. Mounting is achieved by utilizing stainless steel tie wraps or wire.

STAINLESS STEEL HEAT SHIELD

High Temperature Stainless Steel

The stainless steel “embossed honeycomb” Heat Shield has an outstanding oval track and road course performance record. Comprised of two layers of a lightweight embossed 309 or 316 stainless steel, with a sandwiched layer of insulating, ceramic non-woven. Grommets or D-rings are strategically placed around the perimeter of the shield for ease of installation. The profile of this heat shield makes it an excellent solution for low clearance areas.

NOTE: Also available in 600 series Inconel

PART #	SIZE
TCP-SS2	8 in. X 22 in.



TCP-SS2

QUILTED HEAT SHIELD

The Quilted Heat Shield offers excellent thermal protection. These heat shields were designed to be installed externally, directly onto the exhaust system to reduce floor and cockpit temperatures. Think of our quilted heat shields as an ‘oven-mitt’ for your exhaust system, constructed of multiple layers of a high-temperature fabric and ceramic non-woven insulation. Stainless steel mesh is added to create a stand-off and to extend the life of the heat shield. Grommets, D-rings or channels are strategically located around the perimeter of the shield to complete the installation process.

PART #	SIZE
TCP-Q02	8 in. X 22 in.



TCP-Q02

ALUMINUM RIGID HEAT SHIELDS

This series of Lightweight Heat Shields not only provide great thermal protection, but also serve as a shield against stone impingement and track debris. The Shield consists of two layers of lightweight stainless steel, encasing a non-woven ceramic core. *(The Shield is highly flexible and can be easily mounted utilizing rivets or grommets). It is popular in professional racing, protecting carbon fiber fender wells from stone impingement and track debris.*

PART #	SIZE
TCP-AL2	8 in. X 22 in.



TCP-AL2

INDUSTRIAL HEAT SHIELDS



TURBO CHARGER COVER

Our Turbo Charger Cover has a core that consists of ceramic insulation with a silica base. Wire mesh can be added to create an air gap to prevent the cover from coming into direct contact with the heat source. Installation options include D-rings or grommets with stainless steel band ties. Our standard turbo charger covers, below, are offered in three different materials and have D-rings for easy installation.

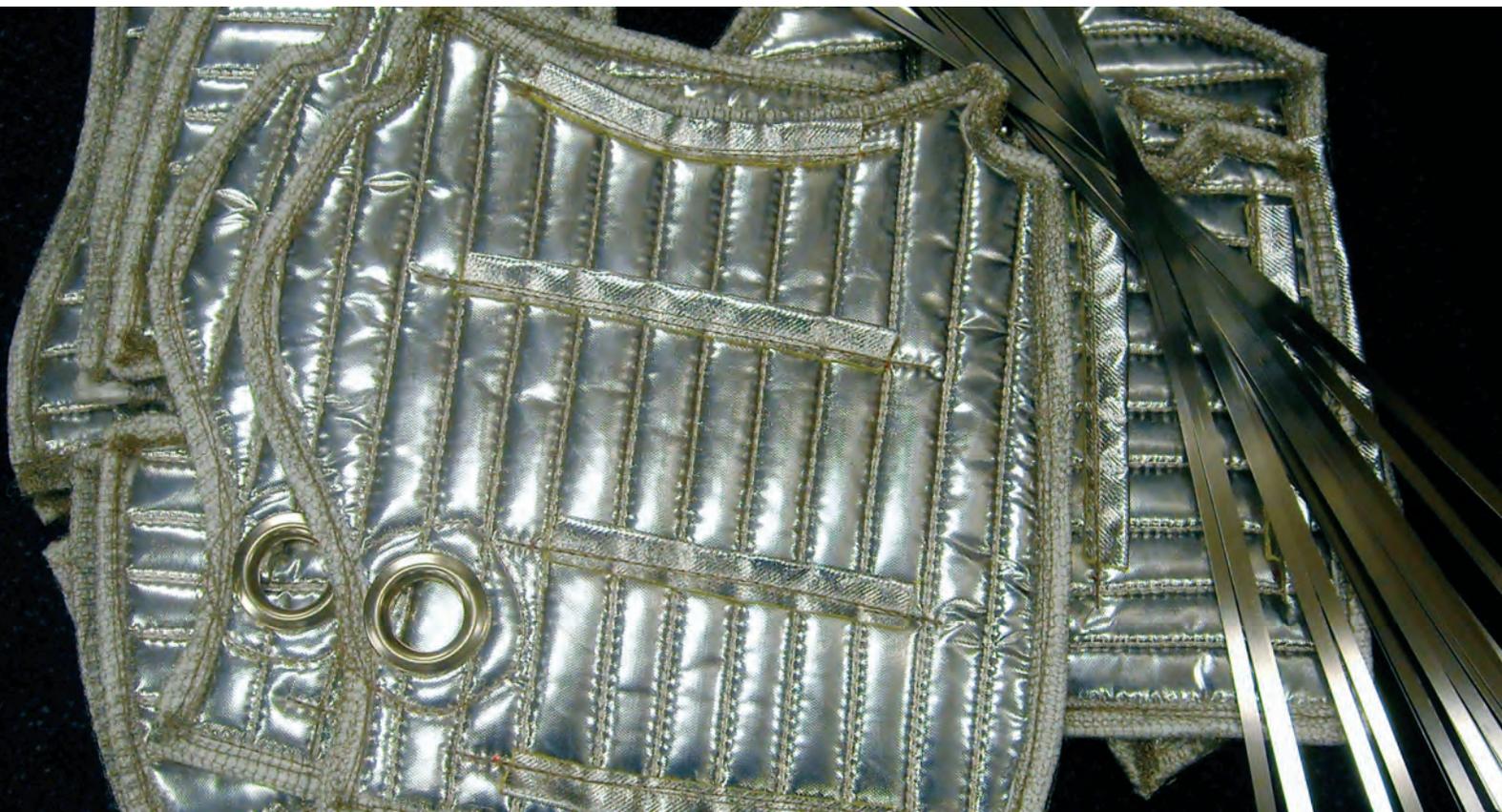
PART #	COLOR	SIZE
TCP-TC01	Aluminized Fiberglass	T3/T4
TCP-TC02	Aluminum Coated Fiberglass	T3/T4
TCP-TC03	Basalt Material	T3/T4



SCATTER SHIELD

Our scatter shields are constructed of multiple layers of ballistic kevlar and offer continuous temperature protection to 650°F. The reflective surface reflects heat away from the transmission tunnel area while reducing cockpit temperatures for easy clean-up.

PART #	SIZE
TCP-937	12 in. X 24 in.



TEXTILE THERMAL BARRIERS

ZEROCLEARANCE®

ZeroClearance® shields are an advanced patented alternative to traditional thermal and acoustical metal shields. **ZeroClearance®** shields are comprised of high-performance aluminum sheeting, a mechanically needle-punched fiber composite spacer, and a unique, high-temperature pressure-sensitive adhesive on the back for attachment.

Features/Advantages

- Light Weight
- Easily formed into place
- Very effective in limited space
- Approved at several major OEM's
- Acoustical sound deadening benefits without the squeak or rattle issues of stampings
- Interior or exterior applications
- Easy installation - just peel off the release liner and adhere to surface.

Applications

- Fuel Tank/System
- Tunnel Shields
- Floorpans
- Exhaust Systems
- Body Shields
- Transmissions
- Steering Components
- Fluid Lines
- Rubber Mounts
- Axle Bushings

Sold below, by the sheet. Sheet measures 42" x 48".

PART #	SIZE
TCP-ZC-.002	2 mil foil
TCP-ZC	10 mil foil



TCP-ZC

PSA ALUMINIZED FIBERGLASS

The Self-Adhering Aluminized Fiberglass Blanket is capable of reflecting 90% of radiant energy. Rated for 400°F continuous operating temperature with max short-term temperature at 1000°F, it is an excellent candidate for mid-range temperature applications. This material can be cut into custom, complex shapes using the CAM cutting process, and the release liner scored for easy removal. Also offered by the linear yard.

Applications

- Plastic Components
- Carbon Components
- Fuel Filler Necks
- Fuel Tanks/Systems
- Body Panels
- Firewall

PART #	SIZE (IN.)
TCP-115	60 in. X 36 in.



TCP-115

TEXTILE THERMAL BARRIERS



TCP-965

GOLD FOIL

Characteristics:

- It reflects up to 675°F of radiant heat for up to 8 hrs and has a continuous operating temperature of 400°F
- 28" wide
- 5 oz / yd²
- Gold Foil is a fire resistant pressure sensitive adhesive with a fiberglass backing for strength and tear resistance

Features / Advantages:

- Can be easily cut and formed to each application
- Easy to install and remove
- Release liner can be scored for quick release

Features / Advantages:

- Tunnel Shields
- Fuel Tanks
- Body Shields

PART #	SIZE
TCP-965	28 in. x 36 in.



TCP-949

REFLECTIVE FOIL TAPE WITH SILICONE ADHESIVE

This tape is an aluminized foil/glass fabric laminate with a high temperature silicone adhesive. The aluminum foil provides excellent reflective and conductive characteristics in high temperature applications. The silicone adhesive provides excellent adhesion at high temperatures yet will remove cleanly.

These tapes are used primarily as masking tapes in plasma flame spraying. They are also used in applications requiring heat shielding, such as harness wraps.

Max operating temperature: 500°F

PART #	SIZE	LAY FLAT WIDTH (IN.)
TCP-949	36 Yards/Roll	1
TCP-959	36 Yards/Roll	2

TEXTILE THERMAL BARRIERS

LIGHTWEIGHT THERMAL FLOOR INSULATION

Due to extreme thermal conditions, Thermal Control Products, Inc. has introduced a **High Temperature Floor Insulator**, designed to drastically reduce in-car floor temperatures. The floor insulation is lightweight and pliable (and sheets can be shaped to your teams requirements). Each sheet is comprised of 3 layers of foil, with two layers of insulating non-woven that has been "sandwiched" between the foil.

PART #	SIZE
TCD-003	Two Layer Sheet 4'x6'

LIGHTWEIGHT THERMAL BARRIER

Light Weight Thermal Insulating Barrier is a durable, laminated, ridged board that reflects 95% of radiant thermal energy and has a continuous usage of 600°F. It is ideal for installation into floor boards, false floors, transmission tunnels, around oil tank boxes, under seats and firewalls. By reducing ambient heat you will increase the life of parts, reduce failures and reduce human fatigue. This barrier is easy to work with and form to the shapes required. This product has proven reliable and durable in the racing industry for years. Other uses for this product in industrial environments include manufacturing applications.

Offered below in standard sheets. Sheet size: 42" x 41"

PART #	SIZE
Nomex Board 1/8	1/8 in. thick
Nomex Board 1/16	1/16 in. thick



TCD-003



Rigid Nomex Board 1/8

THERMAL SLEEVING/WRAP



TCP-CLV1/4

ALUMINIZED CORRUGATED SLEEVING

Aluminized Corrugated Sleeve is used to protect and insulate fuel and coolant lines from heat and track debris.

Sold in 16' lengths in the widths listed below.

PART #	SIZE (IN.)
TCP-CLV1/4	¼
TCP-CLV1/2	½
TCP-CLV5/8	⅝
TCP-CLV7/8	⅞
TCP-CLV1	1
TCP-CLV1.25	1¼



TCP-PJA-08

AEROSTYLE PYROJACKET FIRESLEEVE

Aerostyle Pyrojacket® Firesleeve is constructed from a dense knitted fiberglass sleeve and a coating of self-extinguishing silicone rubber that withstands 500°F continuous exposure and short-term excursions up to 2,000°F.

Aerostyle Pyrojacket® Firesleeve is highly resistant to hydraulic fluids, lubricating oils, and fuels. The dense knitted fiberglass interior insulates against energy loss in hosing, tubes and cables, providing excellent thermal stability in the harshest environments.

Pyrojacket® is a registered trade mark.

Sold in standard 25' rolls in the widths listed below.

PART #	NOMINAL ID (IN.)
TCP-PJA-08	.50
TCP-PJA-12	.75
TCP-PJA-16	1.00
TCP-PJA-24	1.50
TCP-PJA-28	1.75
TCP-PJA-32	2.00
TCP-PJA-48	3.00



TCP-VR-25

VOLCANO WRAP ROCK TAPE

Volcano Wrap is made from continuous filament basalt fiber that resists gasoline and engine chemicals and withstands temperatures up to 1,400°F. It is easy to install by wrapping around exhaust pipes and secured in place by stainless steel tie wraps, resulting in a great-looking and effective finished product.

Sold in standard 2" width in 25' and 50' rolls

PART #	SIZE
TCP-VR-25	25' Roll
TCP-VR-50	50' Roll

THERMAL SLEEVING

DUAL WALL VELCRO LINE SLEEVE

Utilized on Hoses and Cables

Aluminized Fiberglass Dual Wall Velcro Line Sleeve offers continuous temperature protection to 650°F and short term thermal exposure to 1000°F. The sleeve reflects 90% of radiant heat energy.

Also available in aluminum kevlar.

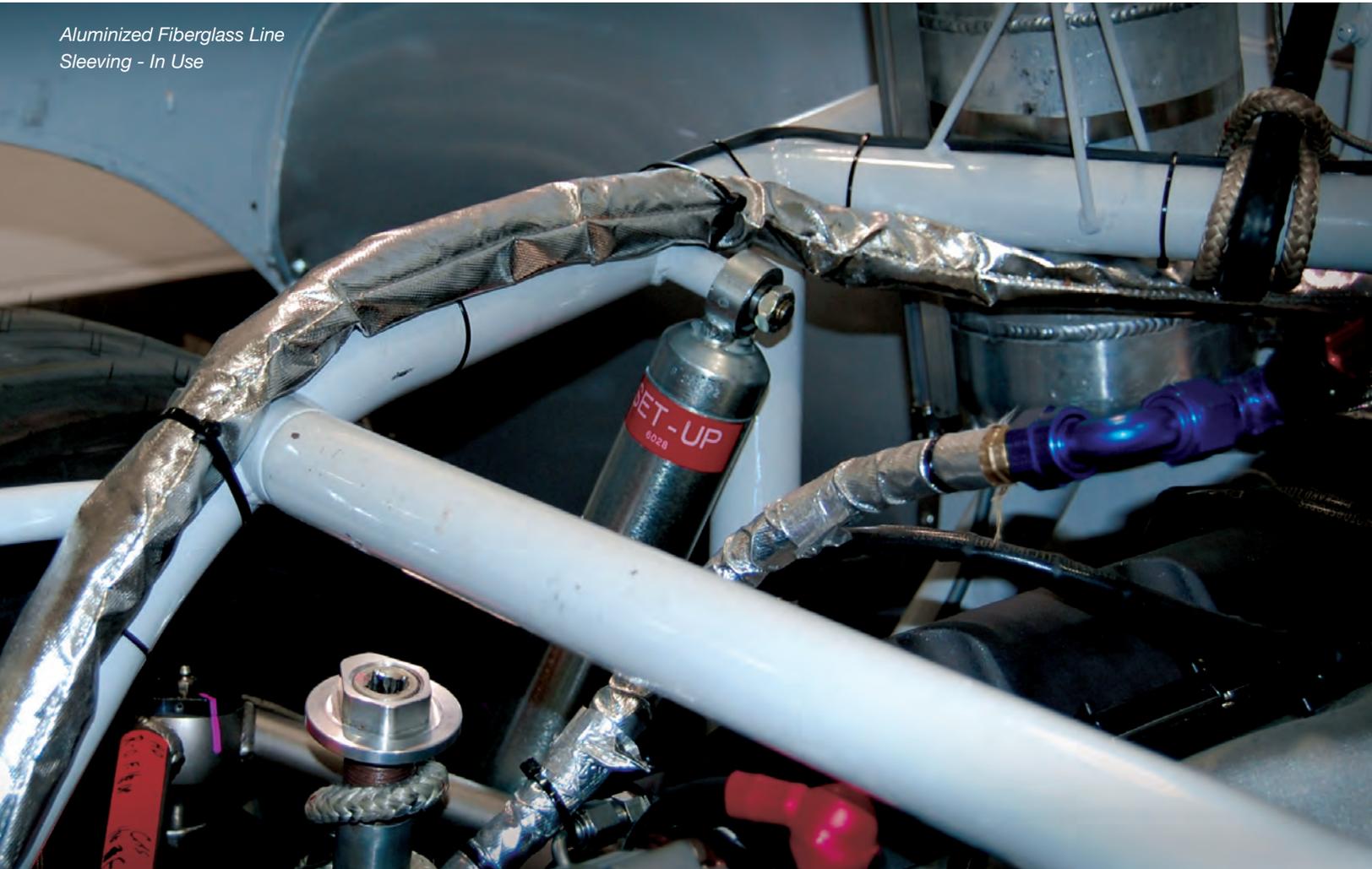
Sold in standard 12' rolls, below. Also available in custom lengths up to 50'

PART#	COLOR	SIZE	LAY FLAT WIDTH (IN.)
TCP-210V	Fiberglass	#10	1 $\frac{7}{8}$
TCP-212V	Fiberglass	#12	2 $\frac{1}{2}$
TCP-216V	Fiberglass	#16	2 $\frac{7}{8}$
TCP-220V	Fiberglass	#20	3 $\frac{1}{2}$



TCP-210V

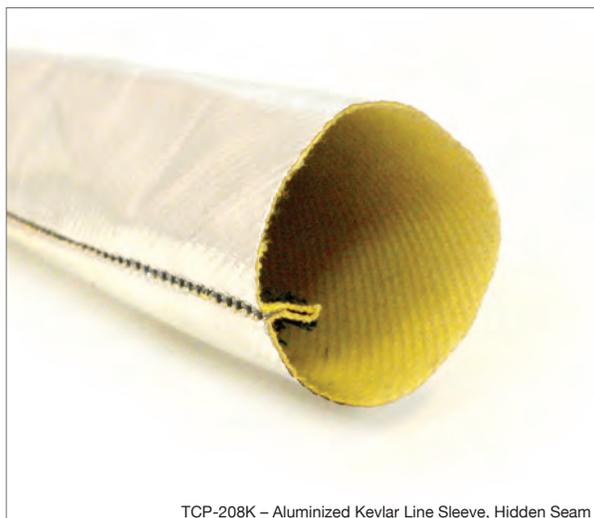
Aluminized Fiberglass Line
Sleeving - In Use



THERMAL SLEEVING



TCP-206GTD – Aluminized Fiberglass Line Sleeve, Tear Drop Closure



TCP-208K – Aluminized Kevlar Line Sleeve, Hidden Seam



Line Sleeve Spools

ALUMINIZED FIBERGLASS LINE SLEEVE

Utilized on Hoses and Cables

Aluminized Fiberglass Sleaving offers continuous temperature protection to 650°F and short term thermal exposure to 1000°F. The sleeve reflects 90% of radiant heat energy. Available with an interior or exterior seam.

Sold in standard 12' rolls, below. Also available in custom lengths up to 50'
Or spools of 25', 50', 100' and 150'

INTERIOR SEAM PART #	EXTERIOR SEAM (TEAR DROP) PART #	SIZE	NOMINAL ID (IN.)	LAY FLAT WIDTH (IN.)
TCP-202G	TCP-202GTD	#2	.30	3/8
TCP-204G	TCP-204GTD	#4	.60	3/4
TCP-206G	TCP-206GTD	#6	.75	1 1/8
TCP-208G	TCP-208GTD	#8	1.00	1 1/2
TCP-210G	TCP-210GTD	#10	1.25	1 3/4
TCP-212G	TCP-212GTD	#12	1.50	2 1/2
TCP-216G	TCP-216GTD	#16	2.00	2 7/8
TCP-220G	TCP-220GTD	#20	2.50	3 1/2

ALUMINIZED KEVLAR LINE SLEEVE

Utilized on Hoses and Cables

Aluminized Kevlar Sleaving offers continuous operating temperature protection to 500°F and short term thermal exposure to 1000°F. The sleeve reflects 90% of radiant heat energy and also offers excellent cut resistance. Available with an interior or exterior seam.

Also offered reversed upon request - Kevlar on the outside for severe abrasion-type applications. This offers good thermal protection and excellent cut-through protection.

Sold in standard 12' rolls, below. Also available in custom lengths up to 50'
Or spools of 25', 50', 100' and 150'

INTERIOR SEAM PART #	EXTERIOR SEAM (TEAR DROP) PART #	SIZE	NOMINAL ID (IN.)	LAY FLAT WIDTH (IN.)
TCP-202K	TCP-202KTD	#2	.30	3/8
TCP-204K	TCP-204KTD	#4	.60	3/4
TCP-206K	TCP-206KTD	#6	.75	1 1/8
TCP-208K	TCP-208KTD	#8	1.00	1 1/2
TCP-210K	TCP-210KTD	#10	1.25	1 3/4
TCP-212K	TCP-212KTD	#12	1.50	2 1/2
TCP-216K	TCP-216KTD	#16	2.00	2 7/8
TCP-220K	TCP-220KTD	#20	2.50	3 1/2

PERFORMANCE FABRICS

CARBONX® - THERMAL/BURN PROTECTION

Fabric Characteristics

- Will not burn or ignite when exposed to direct flame
- Tolerates temperatures exceeding 1,800° F
- Inherently flame-resistant: will not wash out
- Excellent comfort characteristics: breathable, moisture-wicking
- Multi-directional stretch
- Fade-resistant
- Static-free

Thermal Control Products offers a **CarbonX®** double jersey interlock knit in two weights.

Sold by linear yard.

PART #	SIZE	WEIGHT (PER SQ. YD)
DJ-1	62" x 36"	10 oz
DJ-77	62" x 36"	7.7 oz



DJ-1

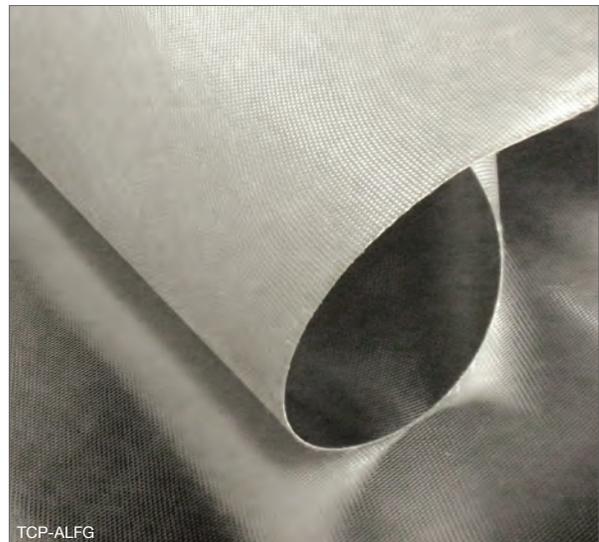
ALUMINIZED FIBERGLASS - THERMAL

Fabric Characteristics

- Continuous temperature protection to 650°F
- Short term thermal exposure to 1000°F
- Reflects 90% of radiant heat energy

Sold by linear yard.

PART #	SIZE	WEIGHT (PER SQ. YD)
TCP-ALFG	54" x 36"	11 oz.



TCP-ALFG

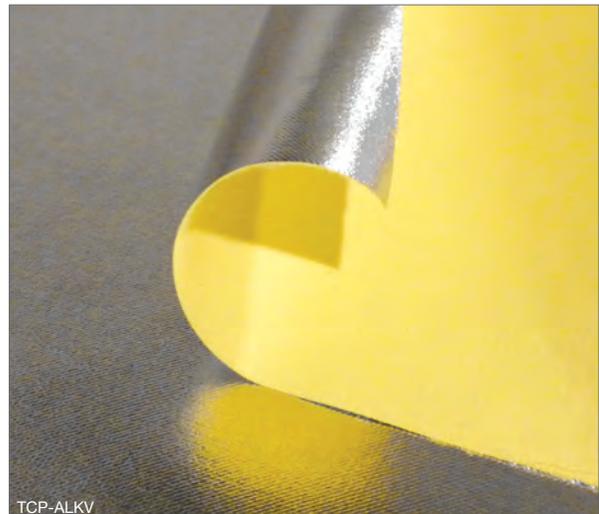
ALUMINIZED KEVLAR - THERMAL/CUT RESISTANCE

Fabric Characteristics

- Continuous temperature protection to 500°F
- Short term thermal exposure to 1000°F
- Reflects 90% of radiant heat energy
- Excellent cut resistance

Sold by linear yard.

PART #	SIZE	WEIGHT (PER SQ. YD)
TCP-ALKV	54" x 36"	11 oz.



TCP-ALKV

WELDING COMPONENTS



TCP-965-10

METAL FABRICATION SHOT BAG

All-leather top-grain cowhide **Shot Bag** for hammer-forming metal panels. The thick cowhide surface produces a blemish-free metal surface and extends the life of the bag. Lead shot should be used as fill material to avoid corrosion and premature failure of bag. All bags are approximately 1.5" - 2" thick when filled. Sizes detailed below.

PART #	SIZE
TCP-965-10	10 in. diameter
TCP-965-14	14 in. diameter
TCP-965-18	18 in. diameter



TCP-WD-SLV22

WELDING SLEEVE

Product Features

- Breathable
- Perfect for automotive use around hot exhausts
- For use on radiant heat applications up to 1,800° F

PART #	SIZE
TCP-WD-SLV22	22 in.
TCP-WD-SLV24	24 in.



TCP-WD-BKT6

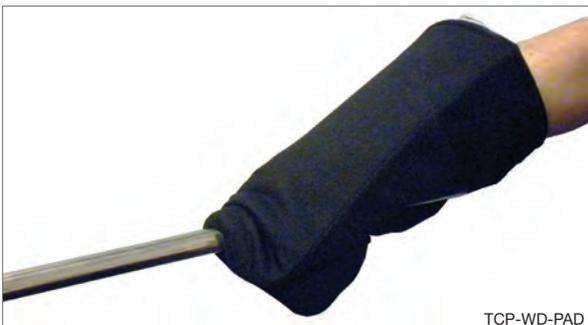
WELDING BLANKET

Product Features

- Available with grommets

Standard sizes below.

PART #	SIZE
TCP-WD-BKT6	6 in. x 6 in.
TCP-WD-BKT8	8 in. x 8 in.
TCP-WD-BKT10	10 in. x 10 in.
TCP-WD-BKT12	12 in. x 12 in.



TCP-WD-PAD

WELDING HOT PAD

Product Features

- Designed to handle hot parts
- Also perfect for use in the kitchen or at the grill

PART #	SIZE
TCP-WD-PAD	12 in. x 12 in.

RACING PRODUCTS

SFI CERTIFIED SHIFTER BOOT

Thermal Control Products, Inc. currently offers an SFI 48.1 approved and **NASCAR** mandated **Shifter Boot**. The design is highly flexible while making the after race clean-up easier. If desired, provide Thermal Control Products with your bezel and we will manufacture a custom shifter boot per your team and transmission requirements.

PART #	SIZE
TCP-662	4.5 in. x 5.5 in. opening
TCP-SB160	4 in. x 4 in. opening



TCP-662

THROTTLE ROD COVER

The **Throttle Rod Cover** is constructed of some of the same SFI certified materials that make up our SFI Certified 48.1 Shifter Boot. Available with a carbon or aluminum bezel, our **Throttle Rod Covers** create a quality firewall seal that professional racers demand.

PART #	COLOR
TCP-224A	Aluminum Bezel
TCP-224C	Carbon Bezel



TCP-224C

HEEL PROTECTORS

Featuring a **CarbonX®** lining, reinforced heel and adjustable hook and loop closure, our **heel protectors** are the finest in the industry and used by many of motorsports' top names. Wear them in the cockpit to keep heels cool when floorboards reach racing temperatures.

Priced per pair. Standard Size fits Men's 8-10.

PART #	SIZE
TCP-HPO	Standard



TCP-HPO

KNEE KNOCKER

Weighs less than one pound! The core of our **Knee Knocker** is comprised of a lightweight formed aluminum – sandwiched between two layers of 1/2" BSCI Impact Foam. The cover is manufactured of a durable flame retardant fabric with a 1" wide hook & loop material for ease of installation.

PART #	DESCRIPTION
TCP-KK	Knee Knocker



TCP-KK

RACING PRODUCTS



OIL FILTER COVER

The **Oil Filter Cover** acts as a thermal insulator for the oil system, preventing heat from escaping through the oil filter. Manufactured of aluminized high-temperature material with a ceramic core, the covers provide excellent thermal insulation.

Standard sizes below.

PART #	SIZE
TCP-HP1	1
TCP-HP4	4
TCP-HP6	6



OIL TANK BLANKET

Manufactured to your team's specifications, our **Oil Tank Blanket** utilizes dual layers of aluminized, high-temperature material and an insulating thermal barrier of ceramic non-woven material. Hook & loop closures ensures ease of installation and removal.

PART #	DESCRIPTION
TCP-OTB1	Oil Tank Blanket



*Throttle Rod Cover -
In Use*

RACING PRODUCTS

DRINK BAG SYSTEM

Our highly insulative pouches come standard with a 50, 70 or 100 oz Omega Hydrotanium reservoir produced by Camelbak®, along with the Pure Flow Drink Tube and Big Bite™ Valve.

Note: Big Bite is a trademark of Camelbak.

PART #	SIZE
TCD-139	50 oz.
TCD-140	70 oz.
TCD-141	100 oz.



TCP-141

SPARK PLUG BOOT

When fiberglass boot protectors failed the demands of Professional Racing, Thermal Control Products introduced a new high temperature **Spark Plug Boot**. Manufactured of a dual layered composite material and offering a continuous operating temperature of 1800°F, it reflects 90% of the thermal energy generated in the engine compartment. The spark plug boot is manufactured with a 45° beveled end, insuring it is fully protected from engine block and header heat.

PART #	SIZE
TCP-143	9 in. Long



TCP-143

MASTER CYLINDER CAP COVER

Tired of looking at your shop rags sealed underneath your cylinder caps? Thermal Control Products has introduced **Master Cylinder Custom Cap Covers** to enhance your under-hood appearance. Our “mini chef hats” are available in three standard sizes and can also be customized to fulfill your requirements.

PART #	SIZE	LAY FLAT WIDTH (IN.)
TCP-320	Small	1.75 in.
TCP-319	Medium	2.0 in.
TCP-318	Large	2.5 in.



TCP-320

HUB/ROTOR COVER

Our **Hub/Rotor Cover** is one of the highest performing in the racing industry. Produced of 3 layers of materials: FAA approved fireblock fabric, foam and a surface material of preoxidized carbon with a herringbone finish. The black quilted finish creates a very professional, sporty appearance.

PART #	DESCRIPTION
TCP-156	Hub Rotor Cover



TCP-156

RACING PRODUCTS



TCP-303

STEERING WHEEL PAD

Comprised of naugahyde and an impact-resistant foam, our pads are second to none. The impact-resistant foam is made by BSCI, one of the largest manufacturers of roll bar padding in the racing industry. Your steering wheel pad can be custom-embroidered with your team or sponsor logo.

PART #	DESCRIPTION
TCP-303	Steering Wheel Pads



TCP-132



TCP-HBD

HELMET ACCESSORY BAG

Our **Helmet Accessory Bags** were developed to protect the surface of the helmet visor from abrasion and scratches during transportation and storage. Available is a single bag protecting two visors with pockets to hold hardware for the helmet and extra clips for the Hans device.

PART #	DESCRIPTION
TCP-132	Helmet Visor Accessory Bag

DRAWSTRING HELMET VISOR BAG

Also available is a soft visor bag that holds two visors.

PART #	DESCRIPTION
TCP-HBD	Drawstring Helmet Visor Bag



TCP-269

FABRICATED SHOT AND BALLISTIC BAG

Our **Shot Bags** are designed to simulate a driver's weight during static testing of the race car. The body of the Shot Bag consists of a durable ballistic fabric featuring handles made of load-tested webbing. The bag is then filled with lead shot to match the requested weight. The lead shot bag can also be manufactured with a zipper, allowing for weight adjustability within the bag.

PART #	DESCRIPTION
TCD-269	Shot and Ballistic Bag

ID TAG/LOCKOUT TAG

Our **ID Tags** can be embroidered with a company name, word or phrase. Options include size, color and built-in magnets.

PART #	DESCRIPTION
TCP-IDTAG	ID Tag/Lockout Tag



TCP-IDTAG

PROTECTIVE COVERS

WRAPPABLE BALLISTIC LINE SLEEVE

Our ballistic line sleeve offers excellent abrasion resistance, providing excellent protection for wiring, cables and bundling.

Operating temperature: -50 degrees Celsius to 125 degrees Celsius.

Sold in standard 25' or 50' rolls with a velcro closure. Sizes below.

PART #	SIZE	NOMINAL ID (IN.)
TCP-CG005-25	25 ft roll	0.5
TCP-CG005-50	50 ft roll	0.5
TCP-CG010-25	25 ft roll	1.0
TCP-CG010-50	50 ft roll	1.0
TCP-CG015-25	25 ft roll	1.5
TCP-CG015-50	50 ft roll	1.5
TCP-CG020-25	25 ft roll	2.0
TCP-CG020-50	50 ft roll	2.0
TCP-CG030-25	25 ft roll	3.0
TCP-CG040-25	25 ft roll	4.0



TCP-CG005-25



PROTECTIVE COVERS



TCP-550

PAINT & EMBLEM PROTECTORS

When working on your race car, it's very important to protect and preserve the paint and emblems from chips and scratches during maintenance. Thermal Control Products offers three unique products to protect the vehicle's finish.

Nose Protector

Made of a surface-friendly material, the **Nose Protector** attaches with magnets at the top and protects the finish of the nose area of the race car.

Door Protector

Made of the same surface-friendly material, the **Door Protector** is weighted at the top of the pad to hold itself in place inside of the driver's compartment. It is also magnetized at the base to prevent slip while team members are getting in and out of the vehicle.

Roof Protector

Made of the same surface-friendly material, Thermal Control Products' **Roof Protectors** provide a safe, convenient area to place tools without damaging the surface of the car.



TCD-552

PART #	DESCRIPTION
TCP-550	Nose Protector
TCD-552	Door Protector
TCD-550	Roof Protector



TCD-550

CAR COVERS

Our **Covers** are utilized by numerous top names in the professional motorsports industry as well as in industrial markets. They are used to protect vehicles and equipment from dirt, debris, heat, and inclement weather.

Our covers can include a variety of customizable features including linings, fastenings, openings, graphics and materials.

Contact Thermal Control Products today to learn more about our custom covers and discuss your requirements!

FULL CAR COVER

Full Car Cover Features

- Covers entire car
- Protects from debris and inclement weather
- Driver window accessible



Full Car Cover

3/4 RAIN CAR COVER

3/4 Rain Car Cover Features

- Covers entire front and top of car
- Front wheel cut out and cropped bottom for easy mobility
- Keeps car dry in inclement weather



3/4 Rain Car Cover

GREENHOUSE COVER

Greenhouse Cover Features

- Covers entire cabin area
- Keeps the cabin cool while protecting ignition and coil boxes from excessive heat



Greenhouse Cover

CAR COVERS

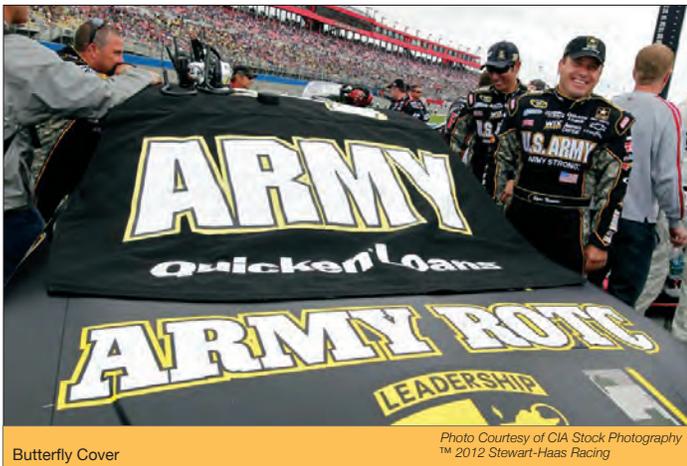


Windshield Cover

WINDSHIELD COVER

Windshield Cover Features

- Covers windshield
- Keeps dash cooler



Butterfly Cover

Photo Courtesy of CIA Stock Photography
 ™ 2012 Stewart-Haas Racing

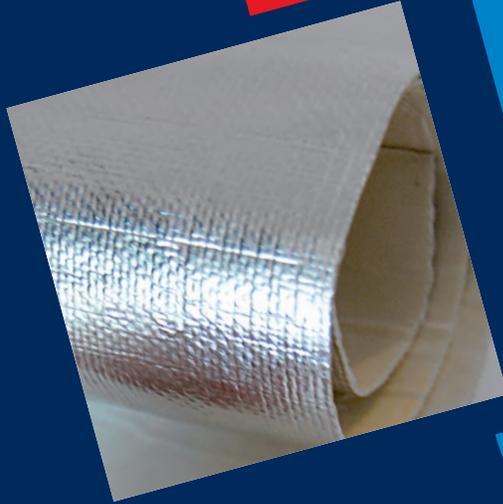
BUTTERFLY COVER

Butterfly Cover Features

- Covers hood, windshield, roof, back window, and deck lid
- Keeps cabin cooler while allowing easy access to the cabin from either side of the car



Butterfly Cover



THERMAL CONTROL PRODUCTS, INC.

6324 Performance Dr. Concord, NC 28027
www.thermalcontrolproducts.com
704.454.7605