



Tercomflex
Rubber Foam Insulation

三元美乐斯橡塑

节能创新 华美保温
Energy saving and innovation Huamei insulation

CONTENTS

目录

- 01 ▶ 企业简介
Company introduction
- 02 ▶ 资质荣誉
Qualification honor
- 03 ▶ 产品介绍
Product introduction
- 07 ▶ 配套用辅助产品
Supplementary products used for forming a complete system
- 08 ▶ 产品性能优势
Product performance advantages
- 11 ▶ 产品技术指标
Product specifications
- 13 ▶ 产品检测设备
Product testing equipment
- 14 ▶ 产品应用范围
The product application scope
- 15 ▶ 工程业绩
Project performance
- 16 ▶ 经典案例
The classic case



san@mlex TERCOMFLEX

san@mlex TERCOMFLEX

san@mlex TERCOMFLEX

san@mlex TERCOMFLEX

TERCOMFLEX san@mlex TERCOMFLEX

san@mlex TERCOMFLEX

san@mlex TERCOMFLEX

san@mlex TERCOMFLEX

san@mlex TERCOMFLEX

san@mlex TERCOMFLEX

san@mlex TERCOMFLEX



企业简介 COMPANY INTRODUCTION

华美节能科技集团坐落于京津冀、环渤海经济圈中心地带，是集研发、生产和销售于一体的大型企业集团。下设七个分公司十个产业园区，专业化生产橡塑绝热保温材料、离心玻璃棉、挤塑聚苯乙烯保温板（XPS）等绝热节能产品。

在全球倡导节能环保的今天，华美节能科技集团以一流的生产技术和产业优势，在绝热节能行业独树一帜。卓越的品质、完善的服务、便捷的交通、快速及时的物流系统，使“华美”牌产品覆盖全国各省、直辖市和自治区，广泛应用于北京奥运会主体育场（鸟巢）、首都国际机场3号航站楼、国家大剧院、京津高铁、上海世博园、广州白云机场、北京城市副中心、北京新机场、雄安市民服务中心等著名建筑和重点工程，并出口欧洲、美洲、非洲、俄罗斯、澳大利亚、日本、韩国及东南亚等国家。

华美节能科技集团注重加强管理体系建设，已经通过ISO9001:2008国际质量体系认证、ISO14001-2004环境管理体系认证、OHSAS18001:2007职业健康安全管理体系认证、GB/T23331-2012能源管理体系认证。先后荣获“全国诚信守法企业”、“全国AAA级信用企业”、“全国五一劳动奖状”、“国家高新技术企业”、“全国安康杯竞赛活动示范单位”等称号，曾同行业唯一获得“产品质量国家免检”证书，迈入了中国保温建材业高端品牌的行列。“华美”在同行率先获得“中国驰名商标”、“亚洲名优品牌”、“亚洲十大创新力品牌”、“中国十大领军品牌”称号，获得阻燃制品标识使用证、三星绿色建材评价标识认证、建筑保温材料防火安全性能认证、建材防火环保标识使用证、中国节能产品认证、美国FM认证、韩国KS认证、欧盟CE认证、SGS的ROHS产品认证、英国BS476:Part7 & BS476:Part6测试、美国ASTM E84测试，中国绝热节能材料协会副会长单位，河北省企业技术中心，河北省绝热保温材料产业技术研究院依托单位，并参加了国标GB/T 17794-2008、GB/T 13350-2008、GB/T 13350-2017、GB/T 17795-2008、GB8624-2012、GB/T 35608-2017、GB/T 17795-2017的起草，凸显了华美集团的行业影响力和华美产品优异的技术性能，成为中国绝热节能材料行业标志性企业。

华美节能科技集团一直践行“人本、尊重、诚信、创新”的核心价值观，以“创新智造节能精品 匠心铸就世界品牌”为己任，通过专业的生产技术、严谨的管理、超卓的设备，着力打造优质环保节能精品，以绿色节能科技为核心竞争力，为追求成为致力于人类美好生活的全球领先企业而不懈努力

Huamei energy saving technology group is located in the central zone of Beijing-tianjin-hebei region and Bohai rim economic circle. It is a large enterprise group integrating R&D, production and sales. It has seven branches and ten industrial parks, specializing in the production of rubber and plastic insulation materials, centrifugal glass cotton, extrusion polystyrene insulation board (XPS) and other thermal insulation products.

Nowadays, the world promoting energy saving and environment protection, with its top-notch production technology and industrial advantages, Huamei Group is unique and unparalleled in the green insulation building materials industry. Excellent quality, perfect service, convenient transportation, prompt and timely logistics system enable "Huamei" to cover all provinces, municipalities and autonomous region, widely used in Project of Beijing Olympic Nation Stadium Bird's Nest, No.3 Airport Building of the Capital International Airport, The National Theatre, Jingjin High speed railway, The world Exposition in Shanghai, Baiyun Airport in Guangzhou, Beijing City Sub-center, Beijing new airport, Xiongan Citizen Service Center Famous Building and some other famous projects, and to be exported to Europe, America, Africa, Russia, Australia, Japan and Southeast Asia and other countries.

Huamei energy-saving technology group attaches great importance to strengthening management system construction. It has passed ISO9001:2008 international quality system certification, ISO14001-2004 environmental management system certification, OHSAS18001:2007 occupational health and safety management system certification, and GB/T23331-2012 energy management system certification. Successively won the "national integrity of law-abiding enterprises", "national AAA grade credit enterprise", "national May Day labor diploma", "national hi-tech enterprise", "Ankang Cup competitions across the country demonstration unit" and so on the title, was the only industry to obtain "product quality inspection-free certificate", ushered in the ranks of China's thermal insulation building materials industry high-end brand. In the same industry first to obtain the Chinese well-known trademark Asian famous brand Top ten innovative brand in Asia China's top ten leading brands, logo use card to get flame retardant products Three-star green building materials evaluation of identity authentication Building insulation materials fire safety certification Building materials fire environmental identity certificate of China energy conservation product authentication The FM certification South Korea KS certification European CE certification SGS ROHS certification British BS476:Part7 & Part6 test American ASTM E84 test, vice President unit of China adiabatic energy-saving materials association, enterprise technology center of Hebei province, supporting unit of Hebei adiabatic insulation materials industry technology research institute, and participated in the drafting of GB/T 17794-2008, GB/T 13350-2017, GB/T 17795-2008, GB8624-2012, GB T 35608-2017, GB/T 17795-2017, highlights the industrial influence of Huamei group and the excellent technical performance of Huamei products, becoming a landmark enterprise in China's adiabatic energy-saving materials industry.

Huamei energy-saving technology group has been practicing the "humanism, respectation, integrity, innovation" core values, with "innovative smart energy-saving products Originality of world brand" as own duty, through professional production technology, strict management, equipment, strive to make high quality environmental protection and energy saving products, green energy-saving technology as the core competitiveness, to pursue to become committed to the world's leading enterprise of human life and make unremitting efforts.

QUALIFICATIONS HONOR



TERCOMFLEX RUBBER FOAM INSULATION

三元美乐斯橡塑

三元美乐斯橡塑采用被誉为“无龟裂橡胶”的三元乙丙橡胶为原料发泡而成的软质绝热保温材料，性能稳定，具有抗龟裂、耐高温低温和高弹性等性能，优异的防腐性使产品不易老化，本产品安装方便简洁，使用寿命长，使用温度范围 -55℃至 125℃，间歇性使用可达 175℃。专业用于较低温度和较高温度的介质保温中，例如汽车空调保温，同样本产品也适用于普通橡塑（NBR/PVC）保温的所有部位，并更大程度提高了保温部位的抗老化、隔热性能。为适应欧盟等国家制品中不含卤素的要求及某些行业严禁使用含卤素产品的要求，可定制不含卤素产品，产品中不含卤素可以保证不锈钢、铜管保温管道不被轻易腐蚀。

精彩呈现在每一个细节，精品成就于每一个过程！

Every Detail Presents Excellence, Each Process Builds Competitive Product!

Tercomflex rubber foam insulation is a soft insulation material adopted the EPDM rubber which known as "no cracks rubber" as raw material. Tercomflex is with stable performance, anti-cracking, resistance to high and low temperature, and high elasticity and so on. Excellent corrosion resistance makes the product difficult to aging. This product is convenient and simple to install, and long life. Operating temperature range is from -55 °C to 125 °C and intermittent use up to 175 °C . This product is used in medium insulation of the lower and higher temperatures, such as automotive air-conditioning insulation, Similarly the product is also suitable for all parts of general rubber(NBR / PVC) insulation. And to a greater extent, this product improves the anti-aging and insulating properties of insulating parts. In order to meet the requirements of the European Union and other countries that products can't be made of halogen and requirements that certain industries prohibit the use of halogen-containing product. This product can be customized halogen -free corrosive elements. Halogen free products can protect stainless steel, brass pipe insulation from corrosion easily.

三元美乐斯橡塑 — 管材产品

Tercomflex rubber foam insulation — Pipe products



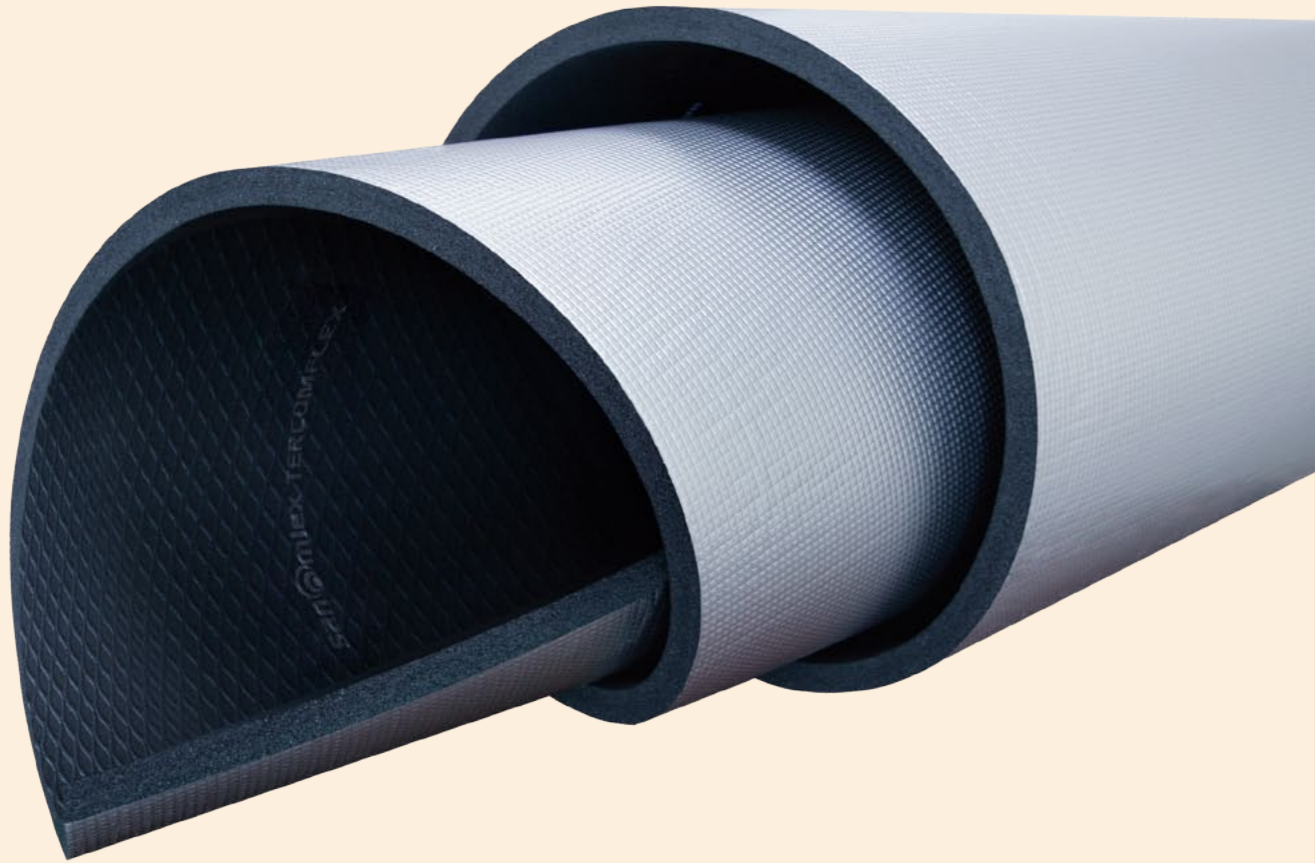
三元美乐斯橡塑 — 板材产品

Tercomflex rubber foam insulation — Sheet products



▼ TM5X5 贴面板材产品

TM5*5 foil-clad board products

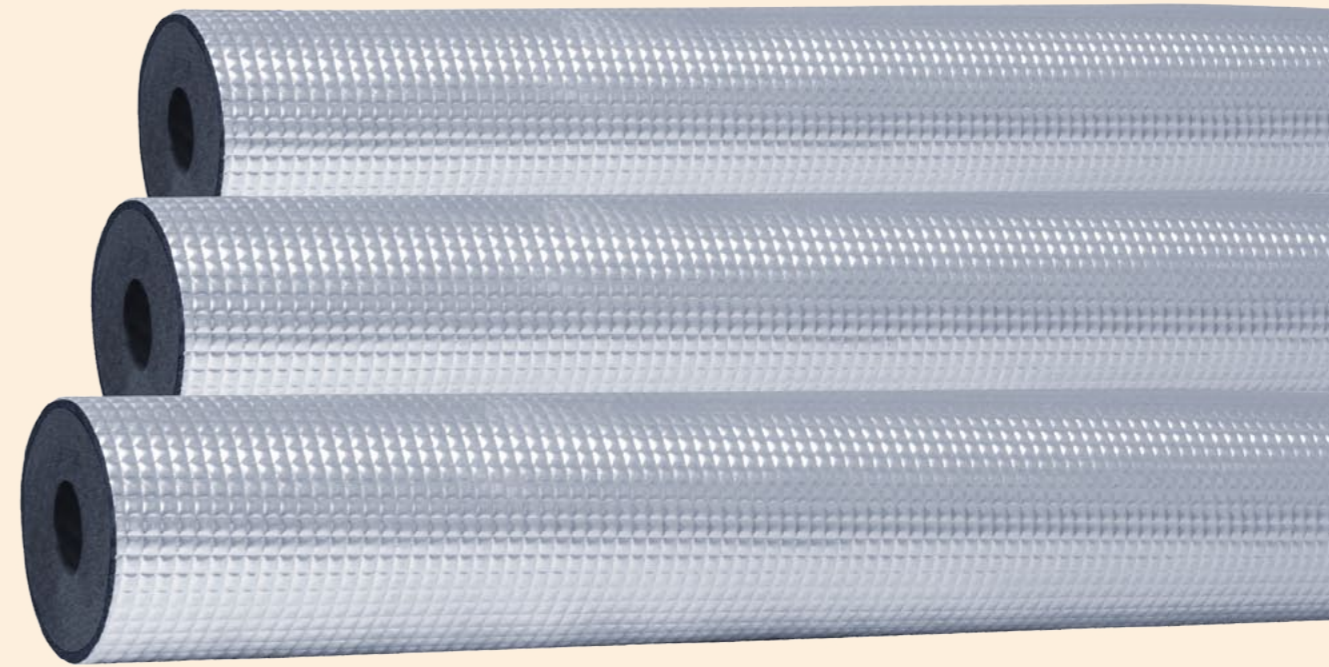


该产品系本公司根据市场之需，研制出的贴面产品，具备以下特殊优点：

三元美乐斯复合橡塑采用了国际先进的发泡技术，复合橡塑由铝箔层以特殊工艺与三元美乐斯橡塑绝热材料完美融合，全面提高橡塑绝热材料的各项性能指标，在防火性能、抗水汽渗透性能、防龟裂性能、抗老化性能以及美观性都全面大幅度提升，成为引领复合型橡塑绝热材料的领先产品。

▼ TM5X5 贴面管材产品

TM5*5 foil-clad tube products

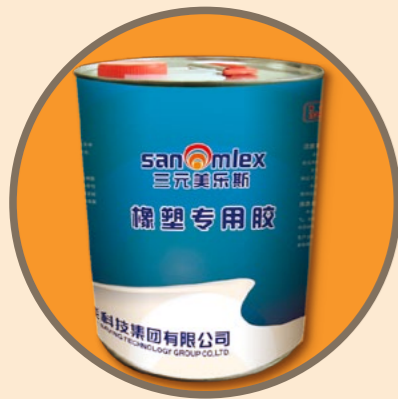


Our company has launched this foil-clad products recently according to the requirements of the market. It has the following special advantages:

The composite rubber plastic of Tercomflex adopts the international advanced foam technology. The composite rubber foam insulation perfectly fits through layer of aluminum foil to Tercomflex rubber insulation materials by a special craft. The various performance indicators of rubber insulation materials, such as fire resistance, resistance to water vapor permeability, anti-cracking performance, anti-aging properties and beautiful appearance and so on improve comprehensively. The product becomes the leading products of the composite rubber insulation materials.

SUPPLEMENTARY PRODUCTS USED FOR FORMING A COMPLETE SYSTEM

配套用辅助产品



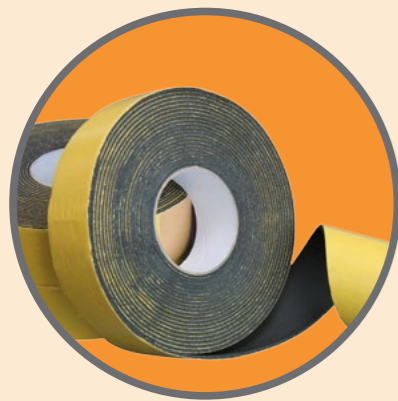
三元美乐斯橡塑专用胶水

主要用于管材、板材的接缝及材料与设备等的粘接，该胶水干化时间短，干化后强度高，与三元美乐斯橡塑结合使用能达到最佳使用效果。

Tercomflex special glue

Mainly used for the seaming of tube and board and cementation of materials and equipment. This kind of glue features short drying time and high strength after drying. The best usage result can be obtained when it is used together with Tercomflex rubber foam insulation products.

| 规格 (毛重) | | Specification (capacity) | |
|---------|----------|--------------------------|-------------|
| 8升 / 桶 | 2.5升 / 桶 | 8L/barrel | 2.5L/barrel |



三元美乐斯不干胶专用胶带

主要用于接缝或形状复杂部位的保温。

Tercomflex non-drying special adhesive tape

Used for joints or heat insulation of irregular parts.

| 规格 (长 × 宽 × 厚) | Specification (length × width × thickness) |
|----------------------|--|
| 10000mm × 50mm × 3mm | 10000mm × 50mm × 3mm |



三元美乐斯布基专用胶带

板、管用胶水粘合后接缝处用布基胶带处理能起到保护与美观作用。

Tercomflex cloth-based special adhesive tape

For protection and beautification of glued joints of tube or board.

| 规格 (长 × 宽) | Specification (length × width) |
|------------------------|--------------------------------|
| 25000mm × 28mm 40卷 / 箱 | 25000mm × 28mm 40rolls/box |
| 25000mm × 35mm 32卷 / 箱 | 25000mm × 35mm 32rolls/box |
| 25000mm × 48mm 24卷 / 箱 | 25000mm × 48mm 24rolls/box |

PRODUCT PERFORMANCE

产品性能优势

三元美乐斯橡塑

Tercomflex rubber foam insulation



科技飞速发展的今天，好产品的创造离不开先进、精密的设备和优质的原材料。华美集团国际化优质原材料供应商、国际先进的设备保证，铸就了超强优势的产品。

华美集团建立有完善的原料供应体系，精选出符合标准所需的原料，经过精确称量配料，接受严密的中间流程控制和严格的最终产品检验，确保产品性能指标完全优于 GB/T 17794-2008 的要求。

Nowadays science and technology is developing rapidly. A good product can't be created without advanced and precise equipment and excellent raw materials. Huamei group owns international quality raw materials suppliers and adopts the international advanced equipment to ensure perfect and high quality products.

Huamei Group owns a perfect supply system of raw materials. It can choose raw materials that satisfy standard through accurate weighing and burdening and receive intermediate strict control flow and strict product testing to ensure the specification of product completely better than the requirement of GB/T 17794-2008.

PRODUCT PERFORMANCE ADVANTAGES

产品性能优势



使用温度范围广 Wide temperature range

三元美乐斯橡塑在低至 -55°C 的工作温度下使用时仍能发挥热绝缘作用，防止冷凝。而在高达 125°C 的温度下也不龟裂、不炭化，还能起热绝缘作用，防止热量损失。当温度高达 175°C 时，可间隔使用，在上述工作温度范围内，三元美乐斯绝热材料的热效率和耐水蒸汽能力都不受影响。

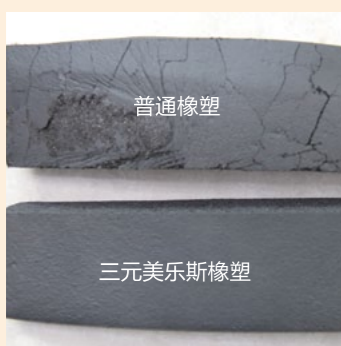
Tercomflex can also play a role of thermal insulating and preventing condensation when be used as low as -55°C working temperature, and in the high temperature of 125°C, it will not crack and carbonize but also play the role of thermal insulating and preventing heat loss. When the temperature up to 175°C, it can be interval usage. In these operating temperature range, thermal efficiency and water vapor capacity of Tercomflex insulation materials is not affected.



弹性好、抗震性能强 Good elasticity and Vibration resistance

三元美乐斯橡塑绝热材料具有很高的弹性，因而能最大限度地减少冷冻水和热水管道在使用过程中的震动和共振。

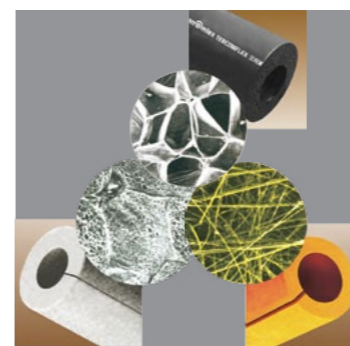
Tercomflex rubber plastic has high elasticity, can reduce the vibration and resonate of the hot/cold water pipes during using in the largest degree.



抗龟裂性能好、抗老化性能强 Good anti-cracking performance and strong anti-aging properties

由于本产品所用橡胶材料被誉为“无龟裂橡胶”称号，再加上其它优异材料和工艺的的配合，长期应用在阳光直接照射的部位也不易龟裂，不易老化。

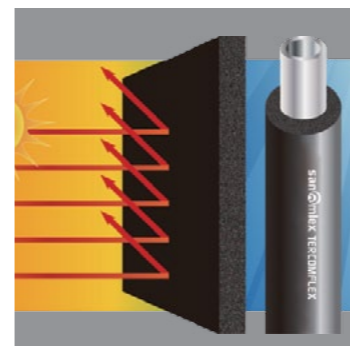
Because rubber material used in the product is known as the "no crack rubber" title, along with other superior materials and technology, so when the product is long term used in the area of direct sunlight, it's not easy to crack and aging.



防潮性能好 Good moisture resistance

气态的水（水蒸汽）是使材料吸湿的主要途径，三元美乐斯橡塑完全闭孔式结构，具有更高的湿阻因子，构成内置的隔汽层，使三元美乐斯橡塑整体既是保温层又是防潮层，即使表面局部破损，其整个厚度方向的闭孔式发泡结构依旧可以有效地阻止外界水汽的渗透，从而保证了材料物理性能的长期稳定，延长了产品在潮湿环境下的使用年限。

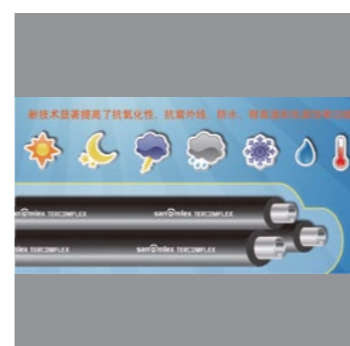
Gaseous water (water vapor) is the main way that the material moisture, Tercomflex rubber plastic is completely obturator structure, with a higher moisture resistance factor, constitute a built-in vapor barrier, making the overall Tercomflex rubber plastic be both the insulation layer and a vapor barrier. Even though partial surface damaged, closed-cell foam structure throughout its thickness direction can still effectively block external moisture penetration, thus ensuring long-term stability of the physical properties of the material, extending the product in a wet environment lives under.



导热系数低 Low conductivity factor

平均温度为 0°C 时，本材料导热系数为 0.034w/m·k，而它的表面放热系数高，因此在相同的外界条件下，使用厚度相对薄的本产品，便能达到传统保温材料相同的保温效果。

Conductivity factor of this material is 0.034w/m.k at average temperature 0°C. As this product has high surface heat liberation rate, using the product with thinner thickness can get the same heat-preservation result as the traditional heat-preservation material at the same environmental conditions.



其它优点 Other advantages

本产品外表有橡胶的光滑平整，以及它本身的优异性能，不需另加隔汽层、防护层，减少了施工中的麻烦，也保证了外形美观、平整。为适应欧盟等国家制品中不含卤素的要求及某些行业严禁使用含卤素产品的要求，本产品可定制不含卤素腐蚀性元素，不含卤素的产品可以保证不锈钢、铜管保温管道不被轻易腐蚀。因本产品富柔软性，安装简易方便。

The product not only has the appearance of smooth rubber but also has excellent properties of its own. Don't need additional vapor barrier and protective layer, reducing the trouble of the construction, ensuring the beautiful and smooth of the appearance. In order to meet the requirements of the European Union and other countries that products can't be made of halogen and requirements that certain industries prohibit the use of halogen-containing product. This product can be customized halogen-free corrosive elements. Halogen free products can protect stainless steel, brass pipe insulation from corrosion easily. Because this product is flexible, it is easy to be installed.

PRODUCT SPECIFICATIONS

产品技术指标

| 项目 Item | 单位 Unit | 性能指标 Specification | 执行标准 Standard |
|--|-------------------|---|-----------------|
| 表观密度 Density | Kg/m ³ | ≤ 95 | GB/T 6343 |
| 燃烧性能 Flammability | 氧指数 Oxygen index | ≥ 32 | GB/T 2406 |
| | 烟密度 SDR | ≤ 75 | GB/T 8627 |
| | | 当用于建筑领域时, 不低于 C 级 | GB 8624-2012 |
| 导热系数 Conductivity factor 平均温度 Average temperature -20°C 0°C 40°C | W/(m·k) | ≤ 0.031 ≤ 0.034 ≤ 0.036 | GB/T 10294 |
| 透湿性能 Water vapor permeability | 透湿系数 Coefficient | ≤ 2.8×10 ⁻¹¹ | GB/T 17146-1997 |
| | 湿阻因子 Factor | ≥ 7.0×10 ³ | |
| 真空吸水率 Water absorption ratio in vacuum | % | ≤ 10 | GB/T 17794-2008 |
| 尺寸稳定性 Dimension stability 105±3°C, 7d | % | ≤ 10 | GB/T 8811 |
| 撕裂强度 Crack resistance | N/cm | ≥ 3.0 | GB/T 10808 |
| 压缩回弹率 Compression resilience ratio 压缩率 Compression ratio 50% 压缩时间 Compression time 72h | % | ≥ 75 | GB/T 6669-2001 |
| 耐臭氧性 Anti-ozone 臭氧分压 Ozone pressure 202mpa 200h | — | 不龟裂 Not cracking | GB/T 7762 |
| 抗老化性 Aging resistance 150h | | 轻微起皱, 无裂纹, 无针孔, 不变形 Slightly crumpling, no cracks, no pin holes, not deforming | GB/T 16259 |
| 适用温度 Temperature | °C | -55°C — 125°C | GB/T17794 |

管材产品规格范围 Range of specifications of tubing products

| 铜管外径 (英寸) Outer diameter of copper tube (in.) | 无缝管外径 (毫米) Outer diameter of seamless tube (mm) | 镀锌管公称 D N Nominal diameter of galvanized | 三元美乐斯 橡胶内径 (毫米) Inner diameter of Tercomflex rubber plastic(mm) | 9mm 厚 (1.8m/ 根) 9mm thickness (1.8m/piece) | | | 15mm 厚 (2m/ 根) 15mm thickness (2m/piece) | | 20mm 厚 (2m/ 根) 20mm thickness (2m/piece) | | 25mm 厚 (2m/ 根) 25mm thickness (2m/piece) | | 30mm 厚 (2m/ 根) 30mm thickness (2m/piece) | |
|---|---|--|--|---|-----------------|--------------------|---|-----------------|---|-----------------|---|-----------------|---|-----------------|
| | | | | 规格 Size (mm×mm) | 根 / 件 piece/bag | 根 / 箱 piece/carton | 规格 Size (mm×mm) | 根 / 件 piece/bag | 规格 Size (mm×mm) | 根 / 件 piece/bag | 规格 Size (mm×mm) | 根 / 件 piece/bag | 规格 Size (mm×mm) | 根 / 件 piece/bag |
| 1/4 | | | 6 | 6×9 | 180 | 180 | | | | | | | | |
| 3/8 | | 6 | 10 | 10×9 | 140 | 140 | 10×15 | 80 | 10×20 | 70 | | | | |
| 1/2 | | | 13 | 13×9 | 120 | 100 | 13×15 | 80 | 13×20 | 50 | | | | |
| 5/8 | 14 | 8 | 16 | 16×9 | 100 | 95 | 16×15 | 60 | 16×20 | 50 | | | | |
| 3/4 | | | 19 | 19×9 | 100 | 80 | 19×15 | 60 | 19×20 | 40 | | | | |
| 7/8 | 22 | 15 | 22 | 22×9 | 100 | 70 | 22×15 | 60 | 22×20 | 40 | 22×25 | 30 | 22×30 | 25 |
| 1 | 25 | | 25 | 25×9 | 80 | 55 | 25×15 | 60 | 25×20 | 30 | 25×25 | 25 | 25×30 | 25 |
| 1 1/8 | 28 | 20 | 28 | 28×9 | 60 | 50 | 28×15 | 50 | 28×20 | 30 | 28×25 | 25 | 28×30 | 20 |
| 1 1/4 | 32 | | 32 | 32×9 | 60 | 45 | | | | | | | | |
| 1 1/4 | 32 | | 34 | | | | 34×15 | 40 | 34×20 | 30 | 34×25 | 25 | 34×30 | 20 |
| 1 3/8 | | 25 | 35 | 35×9 | 60 | 40 | | | | | | | | |
| 1 1/2 | | | | 38×9 | 50 | 30 | | | | | | | | |
| 1 5/8 | | 25 | 42 | 42×9 | 50 | 30 | | | | | | | | |
| 1 5/8 | | 32 | 43 | 43×9 | 50 | 30 | 43×15 | 30 | 43×20 | 25 | 43×25 | 20 | 43×30 | 15 |
| 1 7/8 | | 40 | 48 | 48×9 | 50 | 28 | 48×15 | 30 | 48×20 | 25 | 48×25 | 20 | 48×30 | 15 |
| 2 1/8 | | | 54 | 54×9 | 50 | 25 | | | | | | | | |
| 2 3/8 | | 50 | 60 | 60×9 | 50 | 20 | 60×15 | 30 | 60×20 | 20 | 60×25 | 15 | 60×30 | 15 |
| | 76 | 70 | 76 | | | | 76×15 | 25 | 76×20 | 15 | 76×25 | 15 | 76×30 | 10 |
| | 89 | 80 | 89 | | | | | | 89×20 | 15 | 89×25 | 15 | 89×30 | 10 |
| | 108 | | 108 | | | | | | 108×20 | 15 | 108×25 | 10 | 108×30 | 10 |

板材 (1.2m 宽) Planking (1.2m wide)

| 厚度 Thickness | 10mm | 15mm | 20mm | 25mm | 30mm |
|---------------|------|------|------|------|------|
| 米 / 件 m/piece | 20m | 20m | 10m | 10m | 10m |

板材 (1.5m 宽) Planking (1.5m wide)

| 厚度 Thickness | 10mm | 15mm | 20mm | 25mm | 30mm |
|---------------|------|------|------|------|------|
| 米 / 件 m/piece | 16m | 16m | 8m | 8m | 8m |

- 注: 1. 以上规格均为常用规格, 如需特殊规格可根据用户要求制作。
 2. 板材、管材为黑色, 如需特殊颜色可根据用户要求制作。
 3. 管道外径超过 89mm 建议使用板材。
 4. 保温材料需要厚度超过 25mm, 采用多层重叠包装, 直至所需厚度。
 5. 板材宽度可根据用户要求定做 1-2 米。

- Notes: 1. The above specifications are those in common use; special specifications are available at customers' request.
 2. Planking and tubing are normally in black. Other colors are available at customers' request.
 3. It is recommended to use planking where outer diameter of tubing exceeds 89mm.
 4. Multilayer packing is recommended where the thickness of heat insulation materials needs to be greater than 25 mm.
 5. The width of the planking are available at customers' request for a scope of 1m to 2m.

安装所需厚度对照表 (因各地区环境条件的不同, 以下数据仅供参考)

Requirements Table of Thickness for installation(As the environment conditions are different in various area ,so the following datas are just for reference)

| 环境条件 Environmental conditions | | 保温管尺寸 Dimension of heat-preservation pipe | | 管路温度下适用厚度 (毫米) Suitable thickness at temperature of piping (mm) | | | |
|-------------------------------|--------------------------|---|---------|---|-----|-----|-------|
| 温度 (Temp) | 相对湿度 (Relative Humidity) | 英寸 (Inch) | 毫米 (mm) | 13°C | 7°C | 3°C | -15°C |
| 26.5°C | 50% | 3/8-3 | 10-76 | 10 | 10 | 10 | 15 |
| | | 3-5 | 76-127 | 15 | 15 | 15 | 15 |
| | | 5-10 | 127-254 | 15 | 15 | 15 | 20 |
| 29°C | 70% | 3/8-3 | 10-76 | 10 | 10 | 15 | 20 |
| | | 3-5 | 76-127 | 15 | 15 | 15 | 20 |
| | | 5-10 | 127-254 | 15 | 15 | 15 | 25 |
| 32°C | 80% | 3/8-5 | 10-127 | 15 | 15 | 20 | 20 |
| | | 5-10 | 127-254 | 20 | 25 | 25 | 35 |
| | | 3/8-11/2 | 10-38 | 20 | 25 | 30 | 45 |
| 32°C | 85% | 11/2-3 | 38-76 | 20 | 30 | 30 | 50 |
| | | 3-5 | 76-127 | 20 | 30 | 35 | 60 |
| | | 5-10 | 127-254 | 25 | 30 | 40 | 60 |
| | | > 10 | > 254 | 30 | 40 | 45 | 70 |
| | | 1/8-1/2 | 3-13 | 25 | 32 | 35 | 45 |
| 32°C | 90% | 1/2-2 1/2 | 13-64 | 30 | 35 | 45 | 60 |
| | | 21/2-5 | 64-127 | 30 | 35 | 45 | 65 |
| | | 5-10 | 127-254 | 35 | 45 | 50 | 75 |
| | | > 10 | > 254 | 35 | 50 | 60 | 75 |

- 确定保温材料厚度考虑的因素: Factors to be considered for determining thickness of the heat-preservation material:
1. 环境温度越高, 材料越厚; 1.Environmental temperature: The higher the temperature is, the thicker the material is.
 2. 相对湿度越大, 材料越厚; 2.Relative humidity: The higher the relative humidity is, the thicker the material is.
 3. 介质温度越低, 材料越厚; 3.Temperature of medium: The higher the temperature of medium is, the thicker the material is.
 4. 管道直径越大, 材料越厚。 4.Diameter of pipe: The more the diameter of pipe is, the thicker the material is.

PRODUCT TESTING EQUIPMENT

产品检测设备

| | | |
|---|---|--|
|  |  |  |
| 氧指数测定仪 Oxygen index tester | 粘度测试仪 Viscosity test instrument | 烟密度测试仪 Smoke density tester |
|  |  |  |
| 门尼粘度仪 Mooney viscometer | 火焰光度计 Flame photometer | 真空吸水率仪 Vacuum suction rate meter |
|  |  |  |
| 激光粒度分布仪 Laser particle size distribution instrument | 气相色谱仪 Gas chromatograph | 中控硫变仪 Control sulfur variometer |

THE PRODUCT APPLICATION SCOPE

产品应用范围



三元美乐斯闭孔式橡塑材料用于建筑业、商业、工业用大罐体设备和管道的绝热保温，中央空调风管的保温，家用空调、汽车空调、钢管连接管保温套等。

三元美乐斯闭孔式材料广泛应用于运动器材护套、垫片及救生潜水服。

三元美乐斯开孔式橡塑材料可用于墙板隔音，风道吸音及娱乐场所的吸音装饰，并可用于仪器、设备的抗冲、减压作用。

Tercomflex closed pore rubber materials are used for the heat-insulating and heat-preservation of shell of big tanks and piping in the construction, business and industry, heat insulation of air ducts of central air conditioners, heat insulation of joint pipes of household air conditioners and automobile air conditioners.

Tercomflex closed pore rubber materials are widely used in the protection of sport equipment, shim and diving suits.

Tercomflex open pore rubber materials are used in sound isolation of wall planking, sound absorption in air ducts, and sound absorbing decorations in entertainment spaces. It can be also used for shock resistance and pressure relief in instruments and equipment.

PROJECT PERFORMANCE

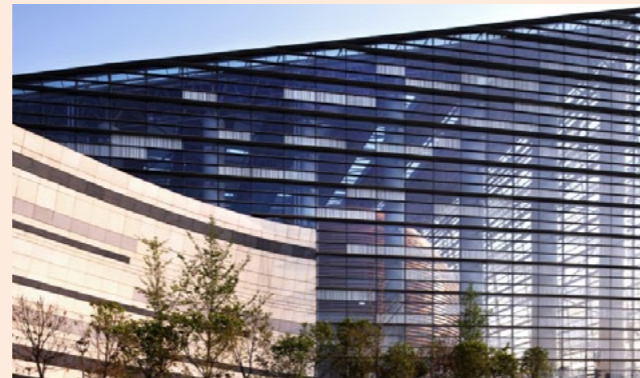
工程业绩

经典案例

The classic case



湖北省政府



重庆科技馆



西安香格里拉大酒店



太原北美新天地



成都名人城市酒店



济南国际机场



贵州省奥体中心

华北地区

北京部分业绩

北京中环广场
金四季购物中心

天津部分业绩

天大天财股份有限公司
天大天财光纤工程

河北部分业绩

河北省移动二地
秦皇岛检法大楼

山西部分业绩

中国联通山西小店分公司
山西金海湾大酒店

内蒙古部分业绩

包头市恒大华府高端住宅小区

东北地区

东北部分业绩

沈阳冠芳花园
吉林省出国人材培训中心
吉林省中东天宝精品广场

华东地区

山东部分业绩

济南高等专科学校图书馆
滨州活塞厂车间保温
日照市水上训练中心
威海马克大厦
泰建公司泰山写字楼项目部
泰安医学院附属医院
泰安蒙牛乳业

江苏部分业绩

南京商贸世纪广场
南京瀚宇电子有限公司
南京健友生物制药有限公司
淮安富士康

上海部分业绩

上海大华装饰公司
上海瑞金路明光中心广场

安徽部分业绩

中行合肥支行黄山培训中心
舒城县人民医院
安徽双鹤药业有限公司

江西省部分业绩

南昌市中级人民法院改造工程
江西新余步步高
南昌师范大学
江西省九江昌河汽车制造厂
南昌金圣包装厂
江西恒茂国际花园

浙江部分业绩

浙江永康市邮政局
浙江长兴大润发
杭州普康生物基地
庆春路中国银行
宁波海月署供电局

福建部分业绩

泉州迎宾馆
泉州金马大酒店

华中地区

河南部分业绩

新乡市中心医院
三门峡金玫瑰大酒店

湖南部分业绩

中国现代农业博览会会展中心
郴州万国大酒店
长沙市远大住宅工业有限公司
衡阳南岳宾馆

湖北部分业绩

武汉市新华书店
湖北荆门市凤国娱乐城
武汉市海滨城商业楼

武汉荆门制药厂沌口分厂
荆门市凤凰花苑酒店

华南地区

广东部分业绩

深圳富士康工地
广州海珠半岛
北海恒泰伟业工业园
南海乐从医院
天利大厦

广西部分业绩

阳光 100 城市广场
柳州市烟草物流园
桂林电力宾馆

西南地区

四川部分业绩

丽悦酒店
一汽大众车间保温工程、
天府中汇广场
成都市生物制品研究所
华润地产凤凰城
成都军区 363 医院

贵州部分业绩

贵航喜来登大酒店
贵航集团喜来登大酒店
思南县人民医院

云南省部分业绩

昆明医学院第二附属医院
楚雄州人民医院

重庆部分业绩

重庆大江东洋
重庆锦秀山庄
重庆西部建材城

陕西部分业绩

西安烽火光伏科技股份有限公司 (LED 项目)
西安赫尔药业
延安市政府采购中心

Tercomflex Rubber Foam Insulation

华美节能科技集团有限公司

HUAMEI ENERGY - SAVING TECHNOLOGY GROUP CO.,LTD.

地址：河北省大城县留各庄开发区

Add: Liugezhuang Development Zone Dacheng County Hebei Province

邮编(P C): 065903

电话(Tel): 0316-5790888 5791888 5798988 5791666 5788988

传真(Fax): 0316-5790668

网址: [Http://www.hbhuamei.com](http://www.hbhuamei.com)

E-mail: hm@hbhuamei.com

代理商:



扫描二维码
手机访问华美集团官方网站