Product Range

A comprehensive product range: Conti® Thermo Protect is available in different forms - including molded elements, sheets, and hoses.

Hoses: Vulcanized hose insulation elements are particularly flexible and robust. Pre-cut hoses are available in various thicknesses. Closed insulation elements are also available.

Molded elements: We offer pre-manufactured and vulcanized molded elements for quick insulation of valves and fittings. Various formats are available to cover the most frequently used standard sizes of fittings. We can also supply made-to-order items.

Paste: The CTP® paste, as unvulcanized insulation material, is the perfect solution for sealing slots and holes. An ideal add-on when using Conti® Thermo Protect.

Sheets: Moldable CTP® GUM sheets are suitable for customized and flexible insulation of flanges, fittings, and complex line systems, as well as machines and other systems. Cured sheets which are stable but still flexible are suitable for the heat insulation of straight surfaces or as heat barriers.

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Accessories: Our range of accessories widens the potential applications for Conti® Thermo Protect. For example, we offer matching closure systems for reliable closure of the molded elements. A silicone adhesive is also available.

Customer Coatings

Elastomer-Beschichtungen GmbH
Breslauer Straße 14
37154 Northeim
Germany
www.contithermoprotect.com

Would you like to obtain further information about Conti® Thermo Protect? Just scan this QR code.
Conti® Thermo Protect is an ultra-flexible insulation system, developed by experts of Surface Solutions a business unit of the Continental Group. It is particularly easy to process, and is ideal for the thermal insulation and protection of flexible and complex components, for example, convoluted hoses, piping systems, and components that are resistant to dynamic loads. Conti® Thermo Protect consists of a special silicone rubber compound and provides reliable insulation, especially in setups involving high temperatures.

In areas, where conventional insulation systems exceed their functional limits, Conti Thermo Protect offers a reliable solution. It is available in two different variations:

- The uncured product (CTP® GUM) comes in sheets and can be molded into required shapes, like plasticine. Under the influence of heat, the compound cures within a few hours and becomes a reusable molded element with rubber-elastic properties, just like the cured products.
- The cured products are hoses and pre-manufactured molded components. They allow fast insulation and are also insulating. They are particularly wear-resistant and flexible at the same time. The moldable compound can be attached easily to fittings and valves that were previously very difficult or even impossible to insulate. All variations, CTP® GUM, hoses and molded elements, are suitable for the high-temperature range up to 250 °C.

Conti® Thermo Protect reduces the energy costs as well as the CO₂-emissions significantly – for example in vulcanization presses and in heating or thermal oil installations.

Conti® Thermo Protect - Various benefits

- High-temperature range: the insulation system is suitable for high temperatures up to 250 °C.
- Flexibility: Conti® Thermo Protect remains dynamic, flexible, and robust at temperatures from -50 °C to 250 °C.
- Excellent thermal insulation: significant reduction in heat dissipation by up to 80 % and lower energy usage and less CO₂ emissions.
- Simple application: the uncured, kneadable material enables the insulation of complex units, even in confined spaces.
- Corrosion protection: minimizes the risk of corrosion under insulation.
- Benefits in work safety: insulation with Conti® Thermo Protect reduces the risk of heat burns, impact injuries and reduces the temperature in the workplace.
- Noise reduction: Conti® Thermo Protect reduces structure-borne noise directly at the source.
- Clean room suitability: Conti® Thermo Protect has been awarded the Fraunhofer IPA CSM Certificate of Qualification.
- Superior properties: the product is a trade secret, self-extinguishing, tear-resistant, and resistant to corrosion and fatigue.
- Easy handling: uncured Conti® Thermo Protect is highly flexible and can be molded into required shapes, very easy to process, and put to use in minutes.
- Eco-friendly: after use, the material can be disposed of household waste, i.e., the process produces no hazardous waste.
- Independently inspected: Conti® Thermo Protect has been tested and certified by the German Research Institute for Thermal Insulation and Sound Absorption.
- Quick return on investment (ROI): in most cases, the costs of installing Conti® Thermo Protect can be recouped within a short period of time.