



GROUNDBREAKING SERVICE AND TRAILBLAZING IDEAS

YOUR ONE-STOP SHOP

By deciding to use thermal isolation from NovaNox, you will receive not only products and services of the highest quality, but also great service.

Our team not only ensures that you receive insulation that saves space and consults with you on the materials, which are suitable for temperatures exceeding 1,300 °C – as experts in the utility vehicle sector, we can also assist you in the geometric revision of the object to be insulated if you so require.

Are the openings really at optimal locations? Can individual components be cut down on to save on unit costs? And have all requirements with regard to sound insulation, temperature control and durability been fulfilled? We would be glad to examine these issues for you in detail. This is how NovaNox develops creative solutions that give you a clear competitive edge.

Furthermore, we also take care of the production of the pipes to be insulated, or of the sound absorbers. The benefit: You receive everything from a single source, manufactured to the highest quality standards and ready-for-use – entirely without superfluous transportation journeys.

WHY USE INSULATION?

Thermal insulation for pipes and/or sound absorbers prevent hot exhaust gases from escaping into the surroundings. For one, this takes care of fire safety. Secondly, this allows the requisite high temperatures to be reached for the regeneration for particulate filters as part of exhaust post-processing – an important criterion for emissions reductions and observing strict exhaust standards. Insulation also plays a central role where sound absorption is concerned.



INSULATION TYPES AND THEIR ADVANTAGES

TEXTILE INSULATION

Maintenance-friendly textile insulation can be mounted in seconds with the use of fasteners. Disassembly can be done just as quickly during maintenance. Additional advantages are their high vibration resistance and excellent ability to absorb noise. In order to increase their temperature resistance and durability, metal, ceramic or glass fibers may be woven into the material. Thanks to their custom-fit design, textile insulation can be used for geometrically complex objects – even in combination with other types of insulation.

SOLID INSULATION

Cost-effective solid insulation is always used when the construction space is generous and the thickness of the insulation is of secondary importance.

METALLIC INSULATION

Shielding is the material of choice in situations where construction space is tight: Because it perfectly conforms to the contours of the components to be insulated, they are especially space-saving. An added advantage is their high vibration resistance. Blankets are equally vibration-resistant, but their best quality is that they are extremely lightweight.

INTERGRAL INSULATION

This sophisticated method of using metallic insulation has a positive effect on the effectiveness of motors. At the same time, they increase their life expectancy, as they safely protect temperature-sensitive components from high temperatures. Like the textile insulation, it is extremely temperature- and vibration-resistant, as well as soundproof.