

ElroShield™ D



GENERAL FUNCTION

Thermal and acoustic direct shielding systems for demanding fields of application with regard to thermal and acoustic management, as well as in areas in which system temperatures have to be maintained at a constant level.



TECHNOLOGY

Temperature specific nonwoven insulation materials allows direct contact with surface of components to be protected.

STANDARD CARRIER LAYER MATERIALS

- Stainless steel
- FAL
- Aluminum

INSULATION FUNCTIONS

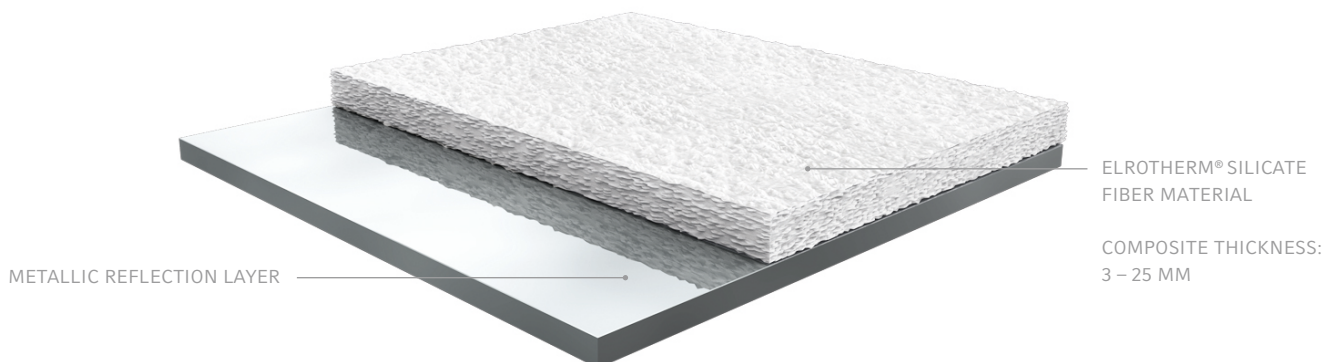
- ElroTherm VG
- ElroTherm VCG
- ElroTherm V

OPTIONS

- With safety edge
- Embossed
- Perforated
- Tailored Electro Magnetic Capabilities
- Attachment and decoupling features
- Sound design

WORKING TEMPERATURE

Maximum 1,100°C
depending on material



AUTOMOTIVE APPLICATIONS

UNDERHOOD | ENGINE ENCAPSULATION | CATALYTIC CONVERTER | EXHAUST MANIFOLD



Direct shielding for oxidation catalytic converter



Embossed catalytic converter encapsulation with flapped design, joined with flanging



Embossed encapsulation of diesel particulate filter with flapped design, joined with screwing



Embossed encapsulation of exhaust gas system with two half shell design



Encapsulation exhaust manifold with perforated and embossed cover material



Direct shielding for turbo housing



BENEFITS

- Extermely light
- Optimum acoustic absorption on components exposed to high temperatures
- Highly efficient thermal protection
- Working temperature up to 1,100°C



ELRINGKLINGER – YOUR PARTNER FOR SHIELDING SYSTEMS

Product Development (Design, Engineering and Simulation) – Validation & Testing – Tool Shop – Prototype Shop – Series Production



YOUR CONTACT

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