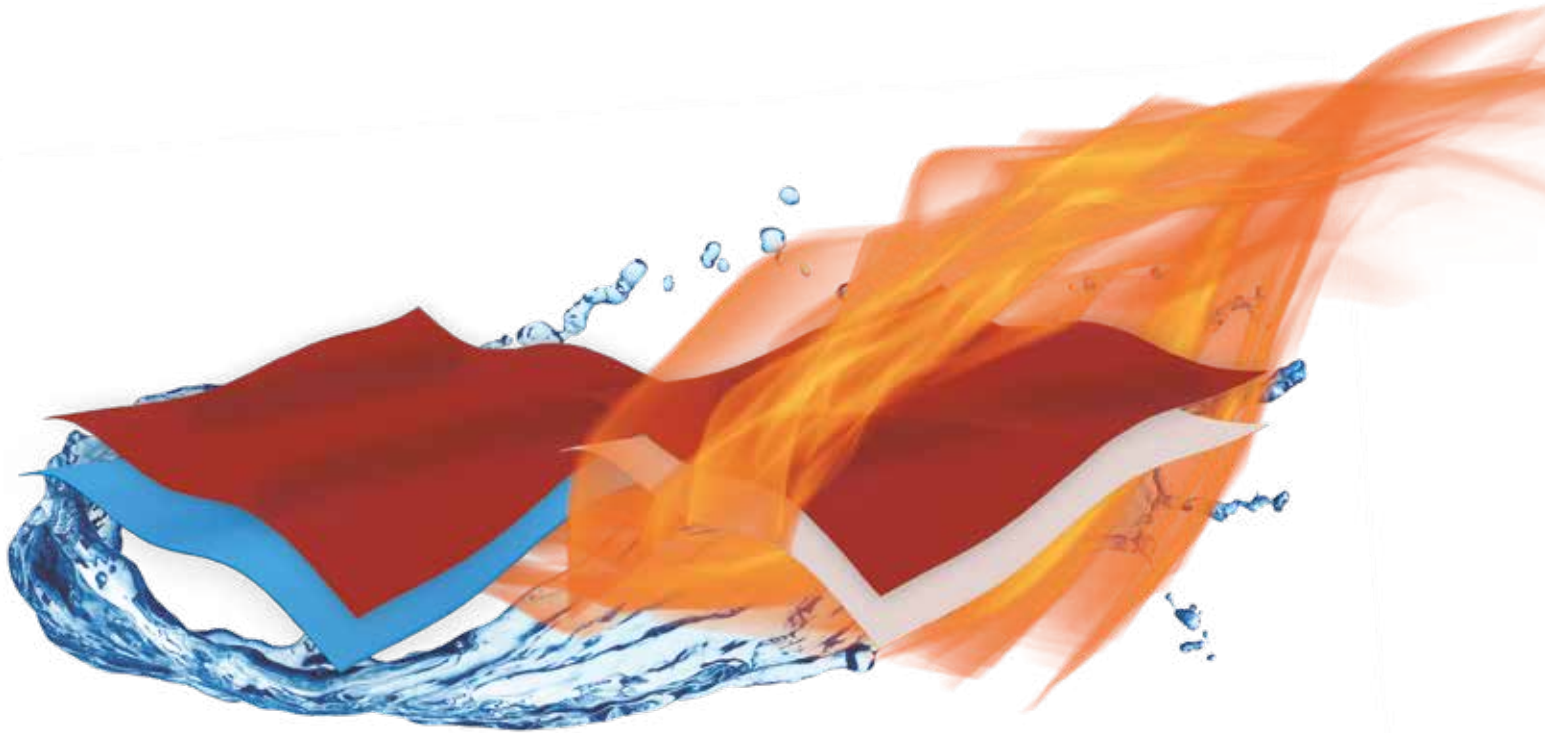


protect your values



PYRO-SAFE® DG-CR and ENEX*

The fire protection combination for the highest standards



Lightweight. Thin. Flexible. Efficient.

safety via technology

PYRO-SAFE® DG-CR and ENEX*

The fire protection combination for the highest standards

PYRO-SAFE® DG-CR

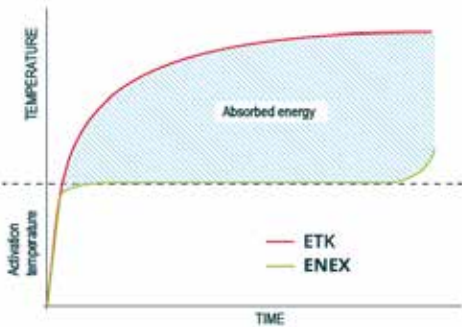
In case of fire, this flexible fireproof fabric expands up to 50 times, forming an isolating foam that also seals joints, cracks, gaps and cavities. This prevents the penetration and spread of heat, smoke and flames.

ENEX-A and ENEX-C

ENEX* consists of mineral coolants, which absorb large amounts of heat when heated above a defined critical temperature. Depending on the application, the cooling temperature can be set by choosing either ENEX-A or ENEX-C, with critical temperature ranges of 250 - 330°C or 95 - 150°C respectively.

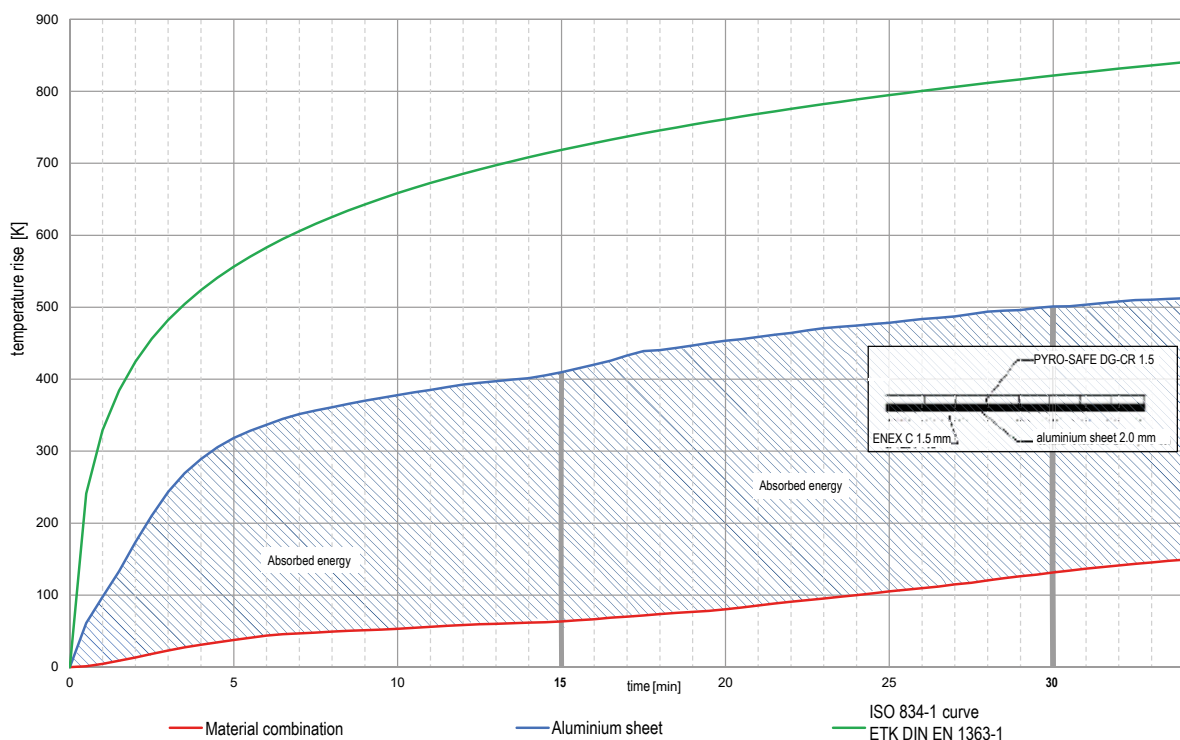
The effect results from the evaporation of hydrated minerals.

PYRO-SAFE® DG-CR and ENEX-A or ENEX-C are also available with self-adhesive foil, this serves as an assembling aid



Combining PYRO-SAFE® DG-CR and ENEX*

Combining the endothermic, cooling and intumescent properties of the two materials produces a multi-layer structure that incorporates both materials' benefits and meets the very highest fire protection requirements, as well as being extremely thin and lightweight.



Application

Different reaction temperatures, material strengths that are tailored to your requirements, and precisely cut pieces make the combination of PYRO-SAFE® DG-CR and ENEX the economic solution for a wide range of fire protection applications, such as:

- Fire compartment forming insulating components with low weighting and slim constructions
- Inner lining, e.g. of equipment containers of vehicles
- Inner lining of control cabinets to ensure the function in case of fire

Technical data

| | | |
|----------------------------|-------------------------|---|
| Thickness | PYRO-SAFE® DG-CR | 0.7 - 2.2 mm |
| | ENEX* | 1 - 3 mm |
| Area density | PYRO-SAFE® DG-CR | 950 - 2,650 g/m ² |
| | ENEX* | 1,000 - 3,000 g/m ² |
| Start of reaction | PYRO-SAFE® DG-CR | 150 °C |
| | ENEX* | ENEX-A: 250 - 330 °C ENEX-C: 95 - 150 °C |
| Expansion behaviour | PYRO-SAFE® DG-CR | up to 50 times / expansion pressure up to 2.0 N/mm ² |
| | ENEX* | - |

Certificate

- Classification R1/R7 HL 1 – HL 3 according to DIN EN 45545-2:2016-02

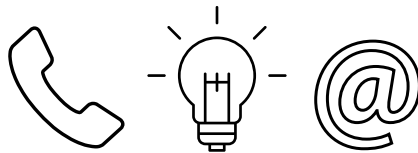
Handling

- Water jet cutting, punching, scissors or Stanley knife

Dimensions

In addition to the following standard lengths and widths, custom sizes are also available on request

| Product | Roll length | Product width |
|--------------------------|--------------------|----------------------|
| PYRO-SAFE® DG-CR 1.5 | 10 m | 1,400 mm |
| PYRO-SAFE® DG-CR 0.7 | 10 m, 20 m | 1,100 mm |
| ENEX-A 1000, ENEX-A 2000 | 20 m | 1,200 mm |
| ENEX-A 3000 | 10 m | 1,200 mm |
| ENEX-C 1000, ENEX-C 2000 | 20 m | 1,200 mm |
| ENEX-C 3000 | 10 m | 1,200 mm |



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