

Promat

Passive fire protection from Promat

Reliable solutions and
services to maximise battery
safety

Save lives, assets and storage equipment



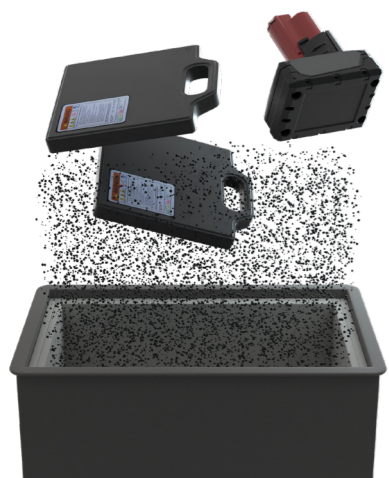
THE RELIABLE PARTNER FOR THE BATTERY RECYCLING MARKET

Managing end of life or damaged batteries poses a significant risk of fire and explosion during transport, storage and handling. As pioneer in passive fire protection, Promat specialises in reliable and sustainable solutions that mitigate the effects of thermal runaway and prevent flames, smoke and gas from spreading in the event of a fire. We build on more than 60 years of expertise and innovation in passive fire protection and high-temperature and sound insulation. With Promat as your partner, you will leave nothing to chance.

A comprehensive range of products - guaranteed levels of fire safety

At Promat we develop and optimise our range of proven and certified fireproofing materials in close collaboration with the market. This approach enables us to develop systems and solutions that even exceed our customers' expectations. For our solutions for battery transportation, storage and recycling, we can rely on our comprehensive range of calcium silicate, microporous, intumescent and blast resistant materials.

Our solutions perfectly complement active fire protection such as sprinklers and foam suppression systems and do not rely on human intervention or any system to keep you safe. Once installed, they do not require any maintenance and will offer a reliable protection for many years.



Calcium silicate materials

Our rigid **calcium silicate fire protection boards** offer up to 3 hours of fire safety and will maintain their structural integrity during and even after a fire. They are used in a wide range of applications, such as transport containers, cabinets and boxes.

Microporous panels

For applications with severe space constraints, we provide non-combustible, **ultra-thin and lightweight microporous panels** that enable maximum use of available space and that offer the highest level of fire protection.

Intumescent seals

Intumescent fire protection seals from Promat are the material of choice for sealing any gaps in containers and cabinets. With a proven service life of over 30 years, they offer a reliable and aesthetic protection and can expand up to 20 times their original volume when exposed to high temperatures. In addition, **our intumescent granules** are the perfect filling material for transport boxes.

Blast and safety barriers

To secure high-risk areas Promat's purpose-designed **blast and safety barriers** offer up to 4 hours of guaranteed fire safety. These solutions have been the industry benchmark in the oil and gas and petrochemical industries for more than 30 years and can easily be deployed at battery recycling plants.

DEDICATED SERVICES FROM CONCEPT TO FIRE TESTING AND ASSEMBLY

To ensure we achieve an optimal result we can support you at each stage of your project - from initial concept to fire testing and, finally, assembly. Depending on your requirements we can assist you with your application design, provide consultancy, organise fire testing for a wide range of scenarios at our in-house facilities or at external labs, and provide workshop services to deliver ready-to-install components.



Promat

Contact your Promat specialist today!

We're looking forward to
advising you on your project

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Sustainable high-performance solutions

Promat is the leading reference in passive fire protection and high-temperature and sound insulation. For over 60 years we have been perfecting our products and systems, developing reliable, thin and lightweight solutions to fit your commercial and technical requirements. We specialise in high-performance solutions based on our comprehensive range of proven and certified calcium silicate and microporous boards and panels, intumescent fire stopping seals, cementitious fireproofing sprays, high-temperature wools and textiles, gypsum boards and sound insulation materials.

As an associate member of the European Battery Recycling Association, we are committed to making the battery lifecycle safer, circular and profitable. All our materials have an extended service life and require low or even zero maintenance. We are developing new products based on recycled and repurposed high-performance insulation and fire protection materials. At our manufacturing plants and workshops, we are continuously looking for ways to optimise our production processes, to reduce our energy water consumption, and to cut down waste and recycle where possible.

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