TESTED BY SGS · SGS試験済み | DIN SPEC 91489

Hi-PROTEC

EV Fire Blanket

EV用ファイヤーブランケット

Premium Silica Series · プレミアム・シリカシリーズ

Save All You Love, Protect Your Life

State-of-the-art electric vehicle fire limitation blanket engineered to withstand heat up to 1,100°C and contain the fire, limiting its spread, smoke and heat.

最高1,100°Cの高温に耐え、
EVバッテリー火災の延焼を抑制します。



1,100°C	6 × 8 m	≥ 96%	20 yrs
Max service temperature 最高使用温度	Full EV coverage 車両全体をカバー	Pure silica fiber 高純度シリカ繊維	Standby shelf life 保管寿命 20年

Why Hi-PROTEC? 選ばれる理由

THE RISK · リスク

EV lithium-ion battery fires (thermal runaway) generate intense, self-sustaining heat that standard water extinguishers struggle to suppress instantly. Unchecked, they pose severe risks to surrounding vehicles and building structures.

THE SOLUTION · ソリューション

Hi-PROTEC is your first line of defense. By containing the fire, it limits flame spread, reduces smoke and confines the heat — safeguarding assets and buying critical time for professional firefighters.

Advanced Material Technology · 先進素材技術

Crafted from pure silica fiber (>96%) coated on both sides with high-temperature liquid silicone. Rated for higher temperatures than conventional fiberglass blankets.

Technical Specifications 技術仕様

Tested by SGS (Test Report No. SDFTS25000559R01_EN) against the standards below.

SGSによる試験済み（試験報告書番号 SDFTS25000559R01_EN）。

PARAMETER · 項目	PERFORMANCE · 性能
EV-Specific Standard EV専用規格	Meets DIN SPEC 91489:2024-11 requirements for EV fire limitation blankets (SGS test).
Material & Heat Resistance 素材・耐熱性	Pure silica fiber ≥ 96% with dual-side liquid silicone coating. Max service temperature up to 1,100°C.
Fire Behavior Class 燃焼性能クラス	Class B-s1, d0 (EN 13501-1) — low ignitability, low smoke production and zero flaming droplets.
Tear & Cut Resistance 耐切創性	Level A performance rating under the EN ISO 13997 cut resistance standard.
Dimensions & Weight 寸法・重量	Standard size 6 × 8 m (net weight 28 kg), sized to fully cover an EV.
Environmental Safety 環境安全性（PFASフリー）	PFAS-free — no hazardous fluorinated chemicals are released.
Shelf Life 保管寿命	Up to 20 years of standby storage life when maintained properly.

Industrial Packaging – IP65 産業用パッケージ・IP65保護

Keeps the blanket pristine and deployment-ready in any environment, inside a high-visibility yellow storage container.

IPX5

Protected against water jets projected from all directions.

あらゆる方向からの噴流水に対する保護

IP6X

100% dust-tight ingress protection.

完全防塵構造

Rapid Deploy

Four reinforced corner straps (FMVSS 302) with red pull handles for instant identification.

赤い引き手付きで素早く展開

Essential Protection for High-Risk Environments

高リスク環境に欠かせない防護

Elevate facility safety compliance and build lasting trust with occupants and visitors through professional emergency mitigation equipment.

Condominiums & Commercial Buildings

マンション・商業ビル

Shield underground and indoor parking from intense radiant heat and keep toxic smoke out of ventilation shafts.

EV Charging Stations

EV充電ステーション

Help contain battery fires at an early stage, protecting charging infrastructure and adjacent vehicles.

Malls & Hotels

ショッピングモール・ホテル

Mitigate panic, minimize property loss, and preserve your property's safety reputation and compliance standing.

EV Showrooms & Service Centers

EVショールーム・サービスセンター

Essential safety gear for maintenance bays and high-voltage battery storage zones to safeguard technical staff.

Centrotec Co., Ltd.

20 Years of Centrotec
Your Reliable Partner
in Every Step.

Selected Insulation, for your Sustainable Productivity

Drawing on two decades of excellence in industrial thermal and cryogenic insulation systems engineering, we deeply understand thermal behavior. Hi-PROTEC products are rigorously vetted under strict engineering standards.

産業用保温・保冷システムの設計で20年の実績。熱の特性を知り尽くした技術で、信頼できる製品をお届けします。

Request a Quotation or Book a Demonstration

お見積り・デモンストレーションのご依頼

Hi-PROTEC – Save All You Love, Protect Your Life

Direct inquiries from facility owners, developers and fleet operators are welcome.

施設オーナー、デベロッパー、フリート事業者の皆さまからの直接のお問い合わせをお待ちしております。

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