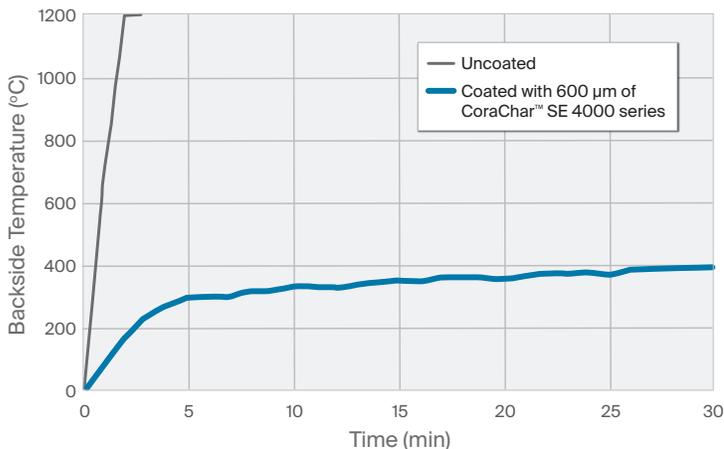


PPG Battery Fire Protection

Energy Storage Solutions
for Battery Electric Vehicles



PPG's CORACHAR™ SE 4000 series coating provides safety and performance standards for a wide range of applications, including battery pack assemblies and energy storage devices. Our extensive experience with industrial and commercial fire protection puts passenger and first responder safety first, and the *CoraChar™ SE 4000* series coating continues PPG's strong legacy of trusted technology and high-quality coating applications. PPG's fire protection coatings provide a shield to the battery substrate, helping to contain and minimize hazards. Ideal for the fast-growing emerging marketplace for electric vehicles and capable of meeting increasing fire safety regulations, our fire protection coatings can accommodate specific customer requirements with consultative product selection and coating thickness optimization, including temperature and burn rate. With a spray application, our *CoraChar™ SE 4000* series intumescent coating also has the capability for mass production.



Delivering Customer Value

Product Features

- Intumescent fire protection technology
- Conformant coating coverage
- Lightweight to enable improved battery performance
- 100% solids
- Solvent-free*
- Low absorbency
- Low inactive thermal insulation

Application

- Suitable for application to battery pack assembly components and energy storage devices
- Spray application, ability to automate for mass production
- High throughput
- Typical substrates include aluminum alloys, steel and composites

Winner of the 2021 R&D® 100 Award

PPG is a trusted global supplier to OEMs & Tiers

*No intentionally added solvent as supplied. Zero-VOC according to Directive 1999/13/EC, EPA Method 24, EUR Directive: 2004/42/IIA(1)(500)

Burn Test

Cell chemistry, vehicle type, overall pack design and application lead to specific requirements for fire protection, including temperature and burn rate.

- Specific thickness, application process, and other performance needs can be addressed through engagement with PPG experts.
- *CoraChar™ SE 4000* series at 600 microns can support 30 minutes with 1200-1300°C flame.

Visit ppgautocoatings.com and ppg.com for more information or email PPGMobility@ppg.com

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PPG CoraChar™ SE previously known as PPG BFP-SE

