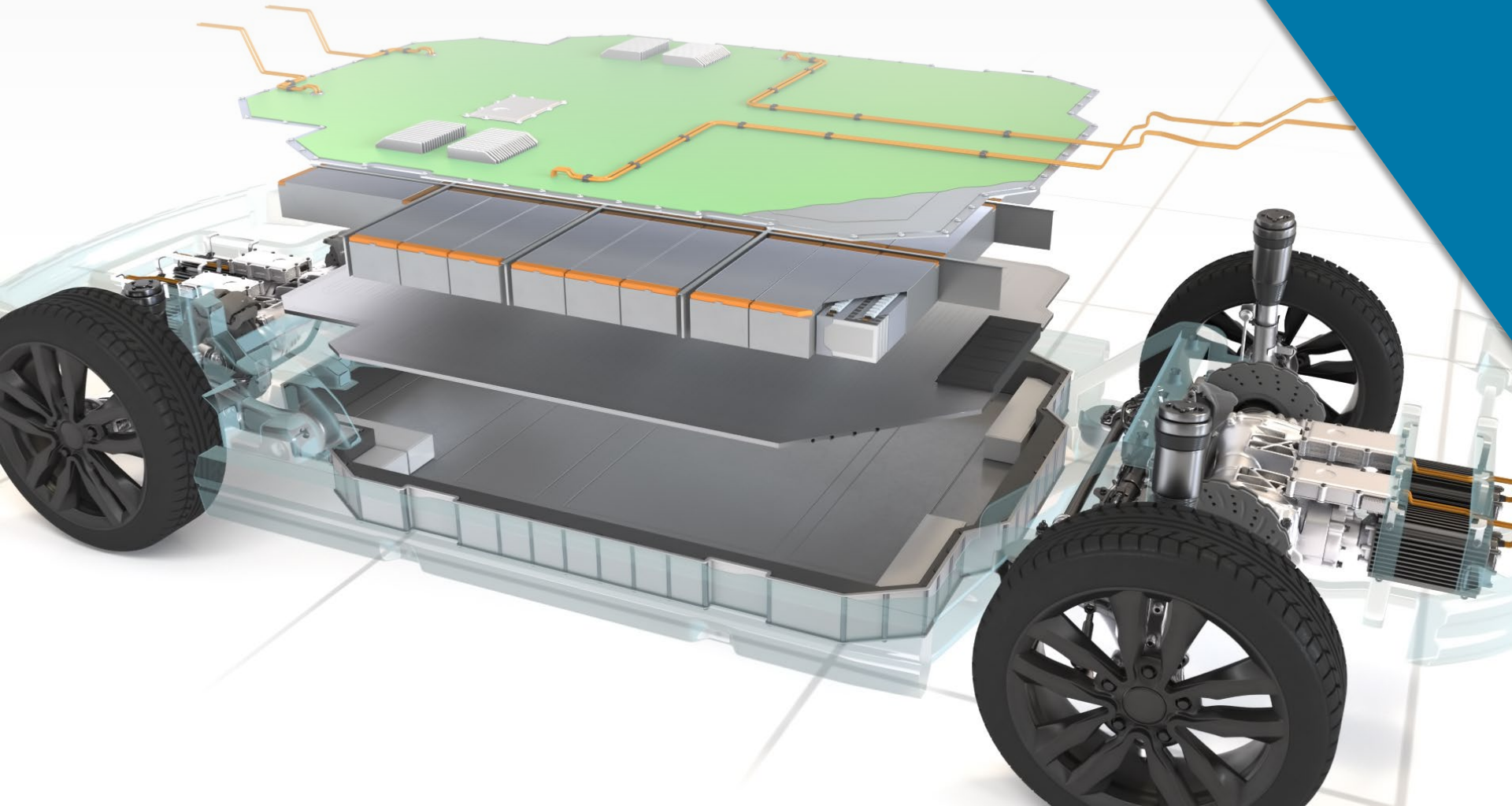


PPG Member Briefing

NAATBatt 2022



We protect and
beautify the world™



PPG is a global maker of paints, coatings and specialty materials



\$16.8 Billion full-year sales from continuing operations in 2021



Headquarters in Pittsburgh, PA



Founded in 1883



5% Increase Full-year adjusted earnings per diluted share since 2018



Operations in 75 countries



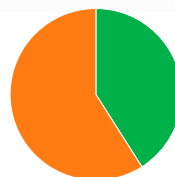
Ranked 220 on the Fortune 500 in 2021

Images and videos were captured prior to the COVID-19 pandemic



Two product segments drive our \$16.8B business*

Performance Coatings: 60%



Industrial Coatings: 40%



Aerospace



Architectural Coatings**



Automotive OEM Coatings



Industrial Coatings



Automotive Refinish Coatings



Protective and Marine Coatings



Packaging Coatings

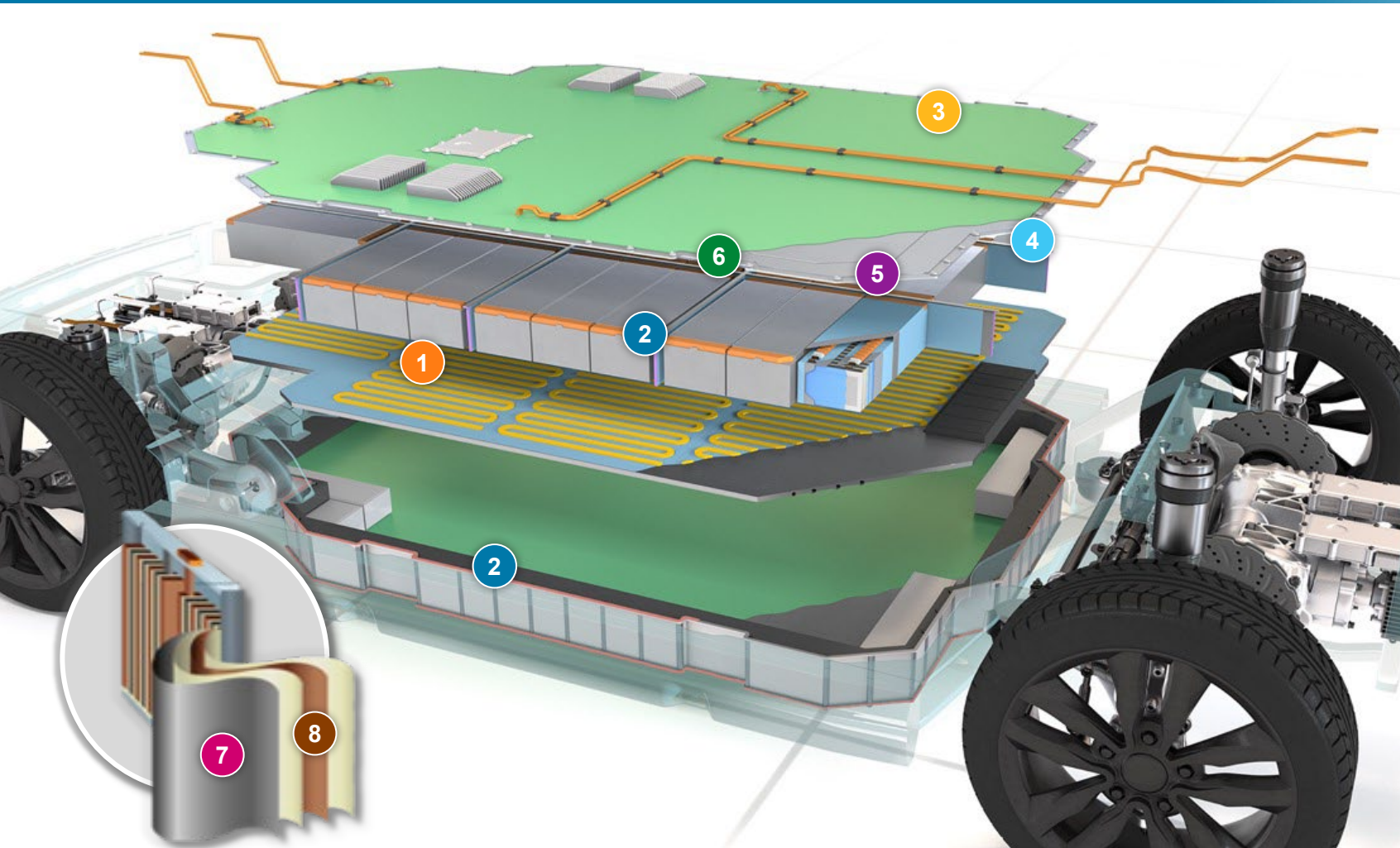


Specialty Coatings and Materials

* 2021 revenue ** Includes Architectural Coatings (Americas and Asia Pacific) and Architectural Coatings (Europe, Middle East and Africa)

Focused Segment: Li Ion Battery Assembly

Playing to Win: Focused Applications for Material + Service Solutions

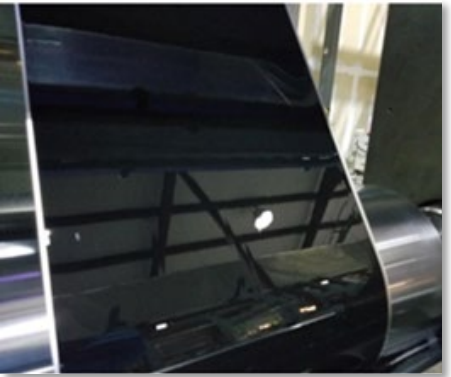


- 1 Thermal Conductive Fillers**
(cooling plate, BTMS components, thermal insulation)
- 2 Adhesives & Sealants**
(perimeter, internal structure, shock/vibe, other)
- 3 Corrosion & Impact Protection**
(outside, inside, components)
- 4 Dielectric Protection**
(pack components: tubes, plates, racking)
- 5 Battery Fire Protection**
(pack lid, module upper, other)
- 6 EMI/RFI Shielding**
- 7 Cathode Binder + Solvent**
- 8 Anode Binder + Additive**

PPG solves problems across multiple focused applications to deliver battery performance, cost & safety



NMP-Free Cathode Binder Deliver Value Benefits for Electrode Production



PPG Binder Value Proposition



Sustainability

- Lower carbon footprint



Safety, Regulatory Compliance

- NMP free
- Safer operation
- Regulatory compliance



Improved Performance

- Similar–better cycle life
- Uniform binder distribution
- Thicker, flexible electrode



Manufacturing Efficiencies

- Higher slurry solid
- Less solvent use
- Longer pot life
- Higher line speed

PPG CORABIND™ NMP-Free binder provides drop in replacement for PVDF-NMP for battery electrode manufacturing



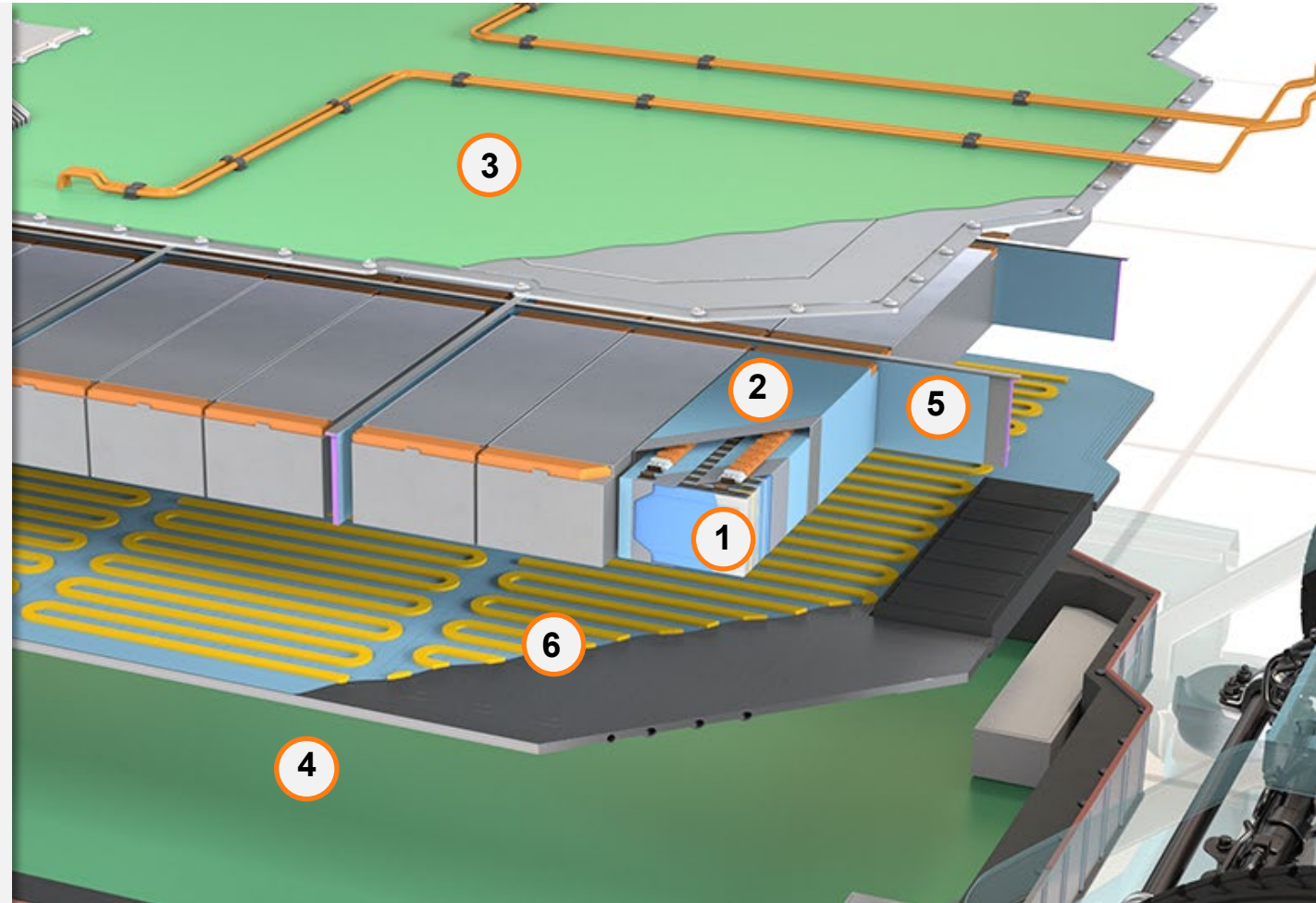
Dielectric Materials within the Battery Assembly

Product Features

- Electrically insulating
- Stable to high voltage electrical fields
- Used to isolate high-voltage electrical components from one another – and from people

Application:

- 1) Cells
- 2) Module housing (metal) & frame plates
- 3) Pack lids
- 4) Pack trays
- 5) Module racking
- 6) Cooling system components
- 7) Bus bars and connectors



Automated coating solutions to replace dielectric film to enable

- *High throughput*
- *Improved performance*

Battery Fire Protection Coatings

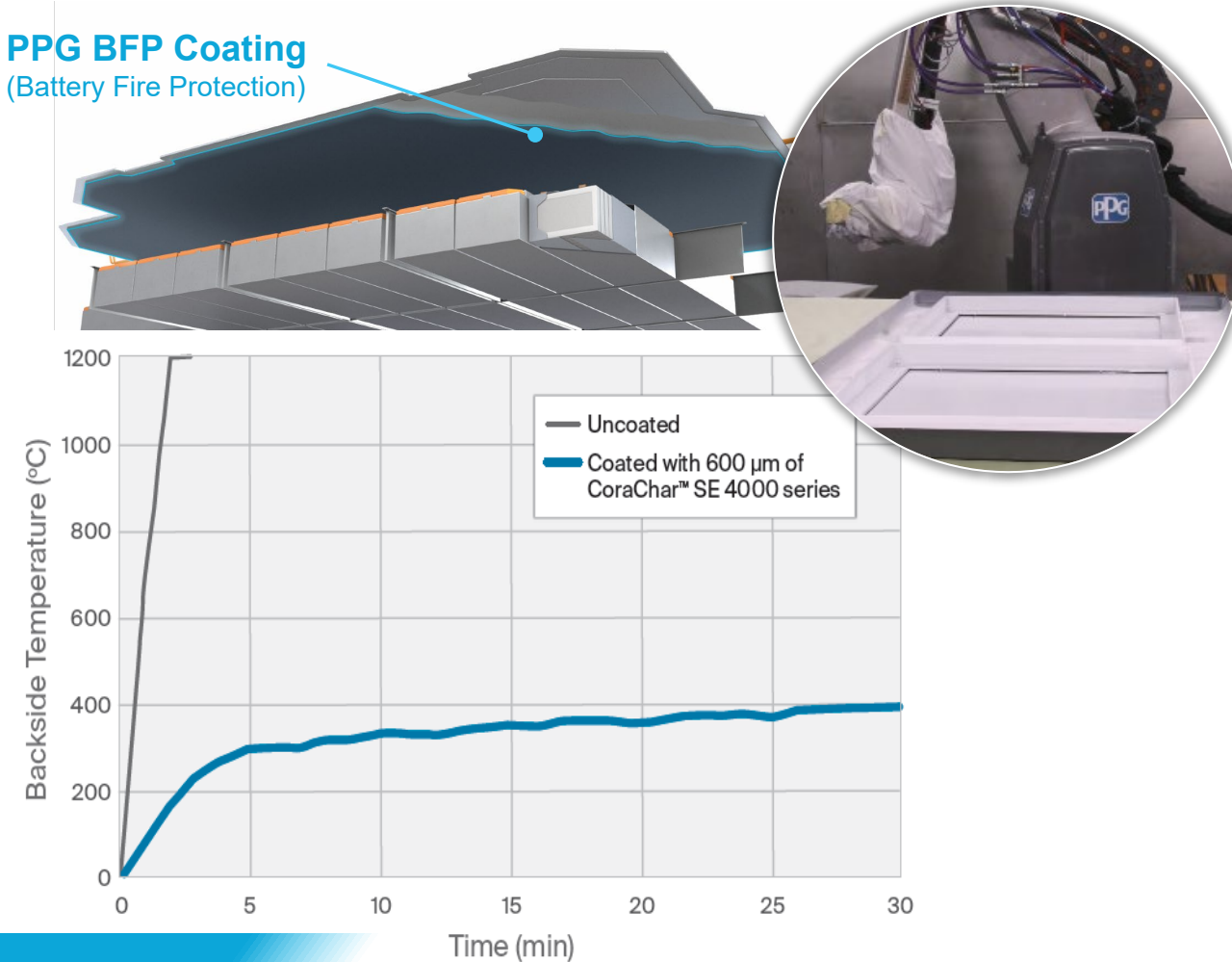
Product Features

- 100% solid, Intumescent fire protection technology
- Conformant coating coverage
- Lightweight to enable improved battery performance
- Multi-functionality
- Excellent performance against emerging standard
- Automated, high throughput application

Application

- Protect against internal and external fire
- Apply to battery pack assembly components
- Typical substrates include aluminum alloys, steel and composites

PPG BFP Coating
(Battery Fire Protection)



Automated coating solutions to replace fire blankets and enable

- *Great performance in flame test & full pack thermal runaway tests*
- *Robotic application and cost effective mass production*

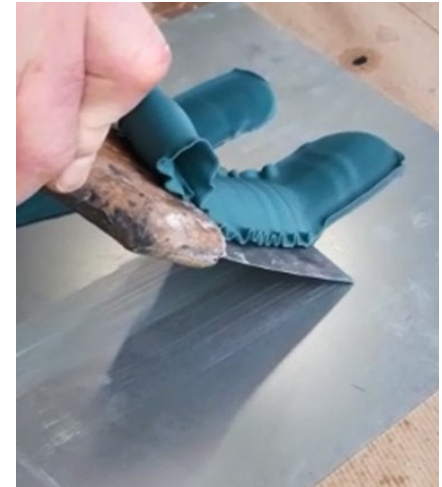
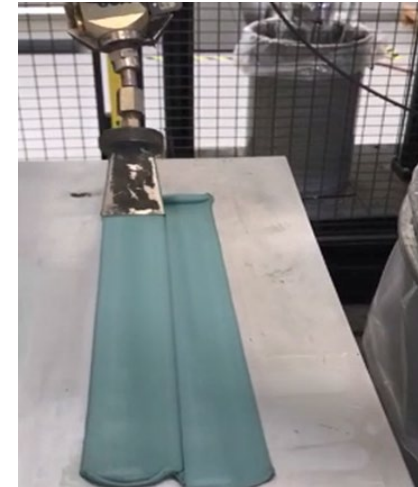
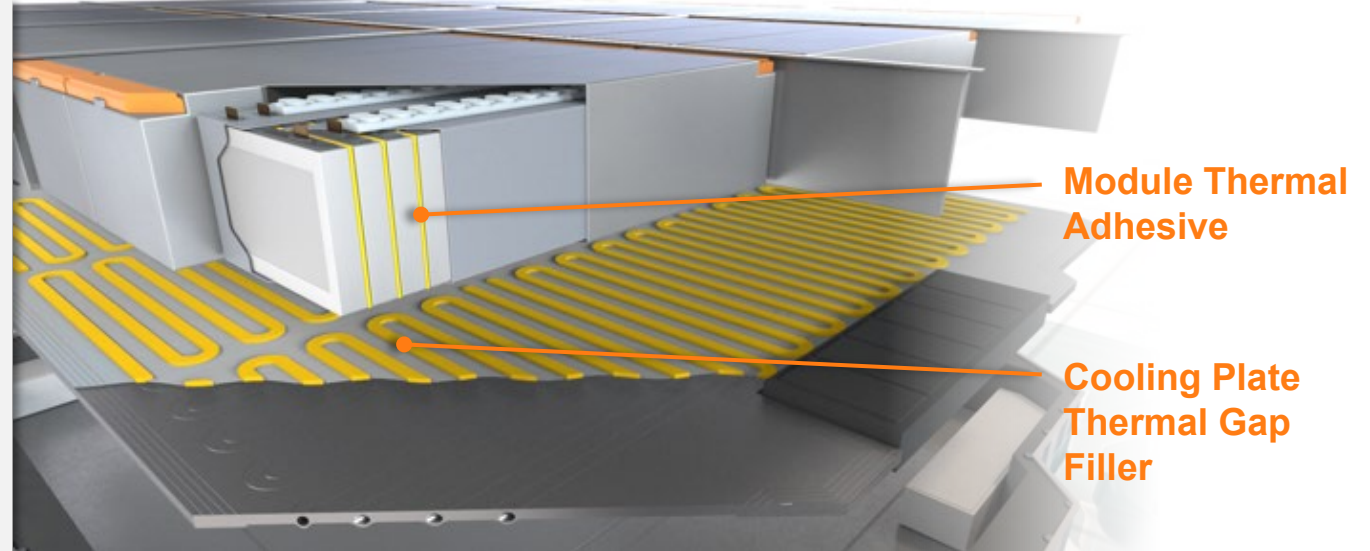
Thermal Management Coatings

Product Features:

- Quickly tailored 1K & 2K solutions
- Lower density
- Advantaged heat removal
- Multi-functionality
- Design for servicability
- High throughput application

Application:

- Under-module cooling system
- Gap filler between/under modules and base plate
- Between cells (pouch)



Customized solutions address multiple needs for productivity, pack weight advantages

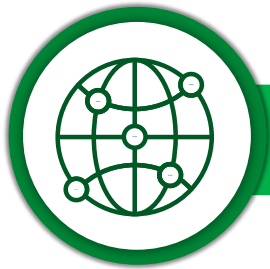
PPG coatings solve challenges & create customer value at cell and pack level



Uniquely Broad Offering



Best-In-Class System Integration



Channel Access Across Value Chain



**ENHANCED BATTERY
PERFORMANCE**



**IMPROVED BATTERY
SAFETY**



**AUTOMATED
APPLICATIONS**



**REDUCED BATTERY
COST**



We protect and beautify the world™