

# BATTERY PACK LIQUID ABSORBERS

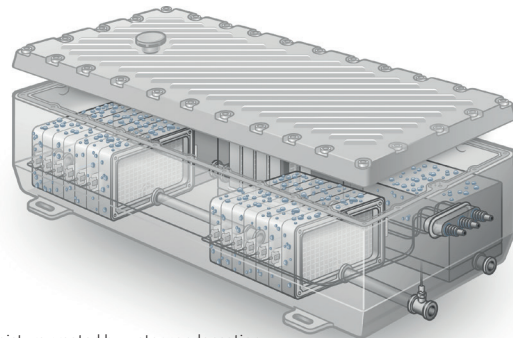
## LIQUID MANAGEMENT IN BATTERY PACKS

### Humidity, Water, Condensate

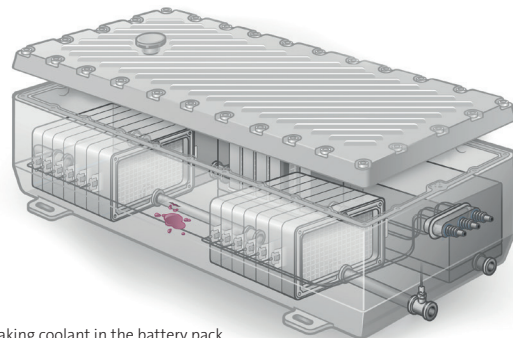
- Absorb different kinds of liquid
- Ensure passive climate control
- Enable redrying
- Function as breathing system
- Provide corrosion protection
- Prevent damage over long term

### Coolant

- Water-/ glycol-based liquids
- Fast absorption
- Prevent damage over short term
- Act as emergency function
- Manage coolant leakage risk



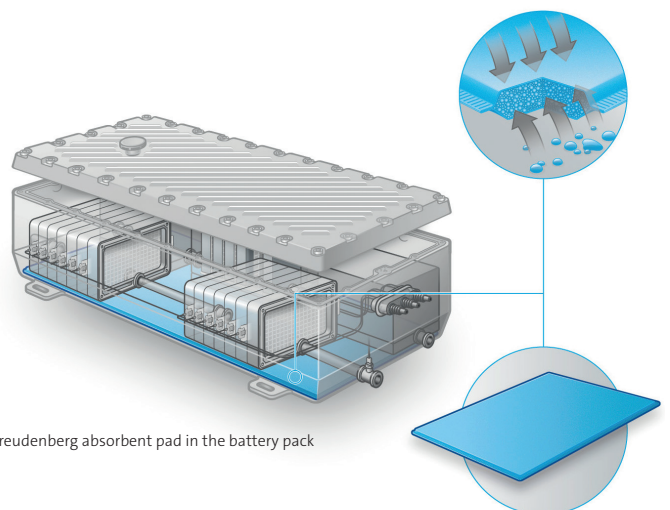
Moisture created by water condensation



Leaking coolant in the battery pack

## FREUDENBERG'S SOLUTION: BATTERY PACK LIQUID ABSORBERS

- Fast liquid absorption
- Excellent liquid retention
- Absorption capacity up to 20l/m<sup>2</sup>
- Great design flexibility of pads
- Re-drying after absorption of condensate
- UL 94 HB



Freudenberg absorbent pad in the battery pack

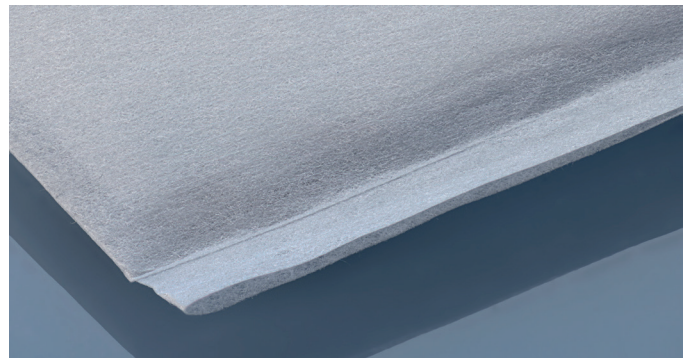
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# BATTERY PACK LIQUID ABSORBERS

## STABLE, LONG-TERM PROTECTION OF THE BATTERY PACK

### Liquid management for improved lifetime and safety

The pads are a long-lasting solution for climate and moisture management in battery packs. The nonwoven material quickly takes up condensate and stores it effectively. Even in an emergency, leaking coolant is quickly absorbed and reliably retained.



Zoom on Product Edge

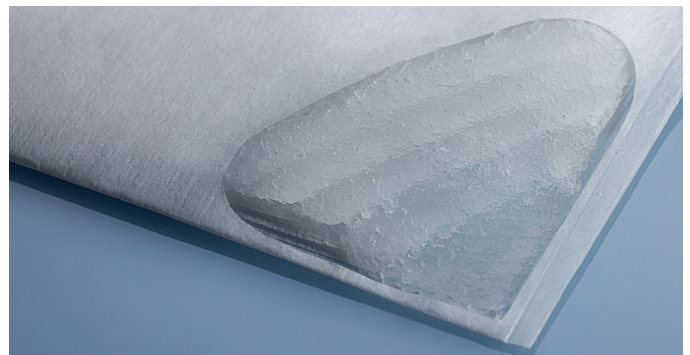
### ALL BENEFITS AT A GLANCE

- Passive humidity control
- Condensation prevention
- Long-lasting through re-drying function
- Fast coolant absorption and reliable retention in emergencies
- Adjustable absorption capacity
- Customer-specific geometries

#### Watch video:



Inside Multilayer Construction



Liquid Retained inside the Pad