

LOCTITE EA 9400 A Two-component Epoxy-based Battery Safety Coating Solution

1 CUSTOMER CHALLENGES

- » A major global OEM required a battery safety coating solution to delay thermal propagation in the battery pack.
- » Due to the manufacturer's large-scale production needs, processibility and high automation were key focus areas.
- » In addition, the solution's cost efficiency was an essential requirement.

2 RECOMMENDED TECHNOLOGY

- » Henkel developed Loctite EA 9400, a two-component epoxy solution with strong thermal resistance.
- » The product is applied through a flat stream nozzle or spray coating on the battery pack lid.



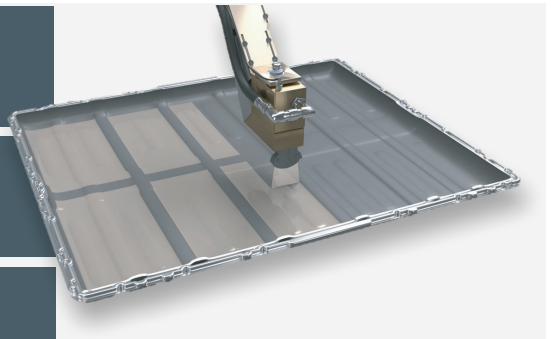
Fire resistance of 1,100°C
for up to 10 minutes



Automated flat stream
application



Excellent environmental
resistance



GET IN
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WITH US

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3 MASS PRODUCTION PROCESS SET-UP

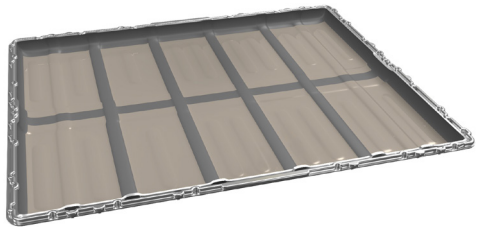
- » Considering all the customer requirements, Henkel ensured the success of the solution through a close collaboration with the dispensing equipment supplier.
- » The solution is applied through flat stream or spray coating, which enables high automation and eliminates the need for masking.
- » As a result, the solution is supporting the OEM with an annual production volume of > 50,000 battery packs.

CUSTOMER BENEFITS

Applicable through both,
flat stream and
spray coating

High
cold flexibility

Very good adhesion
to e-coat and
aluminum



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