

Battery box demonstrator from Linamar with adhesive solutions from Bodo Möller Chemie

Structural adhesives and sealing solutions for battery boxes:

Structural adhesive (Blue adhesive):

- Two component epoxy adhesive (e.g. DuPont BETAMATE™ 2090)
- Must withstand sideways crash and absorb this force

Sealing solution 1 (White adhesive):

- One or two component SMP-adhesive is possible (e.g. DuPont BETALINK™ 36 or L&L A-J215)
- Sealing to fulfil the leakage test e.g. with helium
- An “environmental seal” (sealing against ambient air, splashed water, dust, moisture)

Sealing solution 2 (Grey adhesive):

- One component sprayable SMP-adhesive is possible (e.g. Henkel TEROSON® MS 9320)
- Gasket for sealing the weld seams. Weld seams are not always tight enough for the helium leak test.
- Sealing to fulfil the leakage test e.g. with helium

Sealing solution 3 (Grey adhesive):

- One or two component SMP-adhesive is possible (e.g. Henkel TEROSON® MS 9320, L&L A-J215, DuPont BETALINK™ 36)
- Seal to seal the battery chambers together.