

Adhesion optimization

- Abrasive blasting (corundum, glass beads, quartz sand, etc.)
- SACO/ROCATEC (silanized blasting abrasive)
- Flame treatment (Pyrosil)
- Corona
- Atmospheric pressure and low-pressure plasma
- Laser

Durability testing

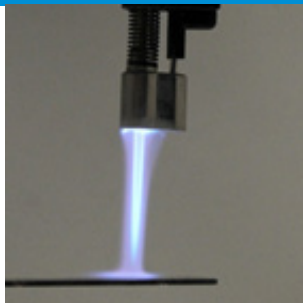
- Environmental cycle test (e.g. VW PV 1200)
- Cyclic corrosion test (VDA-621-415)
- Immersion test
- Cleaning/disinfection and sterilisation

Strength testing

- Miniaturized rapid test for adhesion testing of thin layers (pull-out tension)
- Tension test (pull-off; DIN EN ISO 4624 and ASTM F1147)
- Tensile test (DIN EN ISO 527)
- Tensile lap shear test (DIN EN 1465)
- Peel tests (DIN EN 1464, DIN EN ISO 11339)
- Cross-cut test (ISO 2409)
- Helium leak test (DIN EN 1779)

Contact

Dr.-Ing René von Metzen
Phone +49 7121 51530-609
rene.vonmetzen@nmi.de

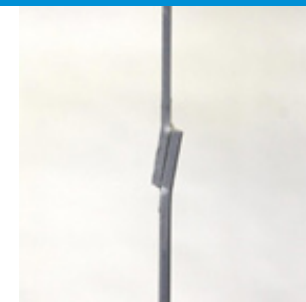
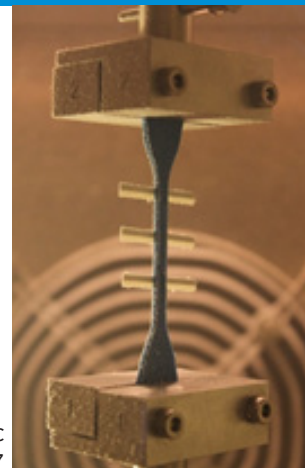


flame pre-treatment



plasma pre-treatment

determination of characteristic values according to ISO 527



Contact

Clara Daab
Phone +49 7121 51530-477
clara.daab@nmi.de

tensile lap shear test according to DIN EN 1465