

Distec
VACUBOND®

Test & Certification





Distec's VacuBond Technology has successfully passed the following tests and certifications in customer applications:

- **Humidity test according to railway standard EN50155 / LESDB**
Damp heat test
3 cycles per 24h. Storage at +55°C and 95%-100% relative humidity,
Lowered to +25°C in 3h at 90%-95% relative humidity
Function test after 24h
Vibration & shock
- **Vibration and shock test according to railway standard**
Requirements according to: IEC 60571
Tested according to: EN 61373, category 1, class B
- **Environmental Test**
DIN 60068-2-1 Ab: -40°C / 504h, + 80°C / 504h
DIN 60068-2-14 Nb: -40°C / 30 min...+ 80°C / 30 min; 10 K/min. temperature change, 100 cycles
DIN 60068-2-78 Ca: + 60°C, 95 % relative humidity, 504 h



- **Vibration, broadband random and guidance – Test Fh**
IEC60068-2-64
- **Mechanical environmental conditions**
IEC60721-3-7, class 5M1, 5M2, 5M3
- **Mechanical environmental conditions**
MIL STD 810F, MIL STD 810G & MIL STD 461
- **Ageing of Automobile Components in Solar Simulation**
DIN 75220-Z-OUT (standard) & DIN 75220-Z-OUT-F (global stress)
- **General rules of coating films for automobile parts**
JIS D 0202
- **Test method of weatherability for automotive parts**
JIS D 0205
- **Environmental Conditions and Test Procedures for Airborne Equipment**
Avionic fire test DO-160E Section Fire, Flammability 26-- Test Category C



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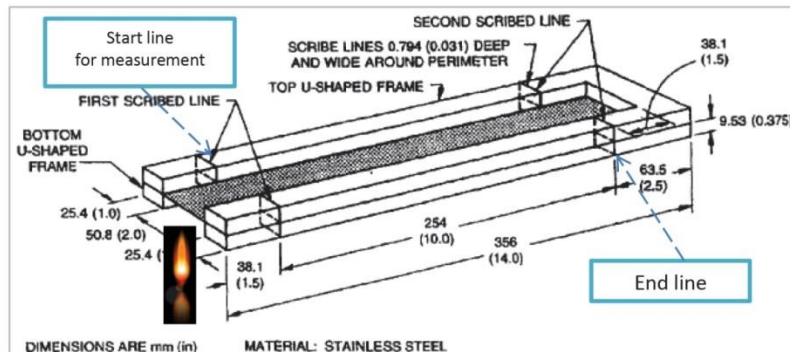
OPTAGEL® meets FMVSS (Federal Motor Vehicle Safety Standard) No. 302

- *Sample: OPTaGEL K120E t0.8mm
- *Test equipment: MVSS-2 (Suga Test Instrument Co., Ltd.)
- *Environmental condition: Temp: 21 deg. C, Humidity: 47%

Test results: Passed (“Self-Extinguishing”) (i.e. Flame never reached Start line for measurement)

Test conducted by: CERI (Chemicals Evaluation and Research Institute, Japan)

Test method & equipment: See images below.



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