

- Current nonskid products do not meet mission durability
- Current nonskid products cannot support continuous JSF and/or MV-22 operations

<http://www.nstcenter.com/docs/PDFs/MR2010/Tuesday-1-Presentations/11-Lemieux.pdf>

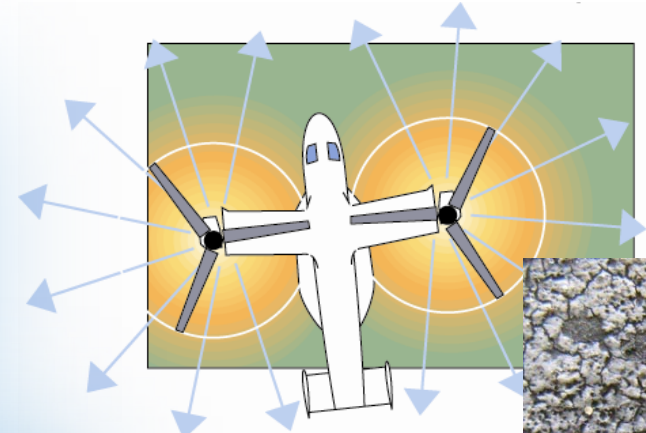
- Thermal stability limit for present system: 350°F
 - JSF: Up to 1700°F
 - MV-22: 380°F (recent NAVAIR study on US WASP)



Intercoat Delamination



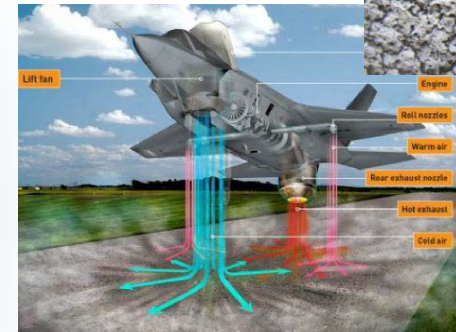
Welds see more impact



Corrosion



Heavy Wear





Organic Systems

- Product chemically changed
- High erosion behavior
- Service life less than a few landings.
- Prolonged exposure, exponential damage.
- High probability of FOD generation.

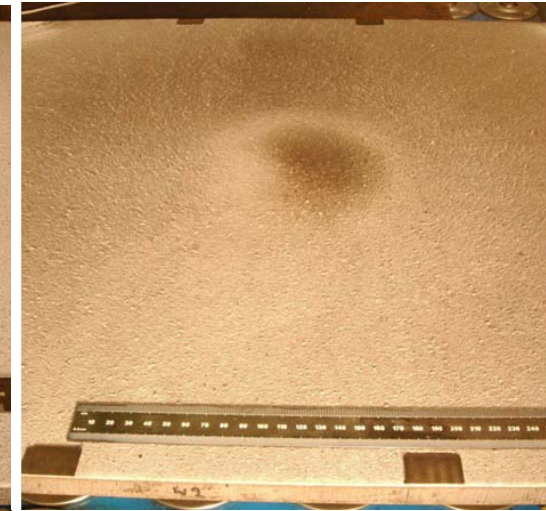


Thermion – BAE Testing

- No damage, jet exhaust particulate residual
- Last lab test required prior to Demonstration Test #1 Planned on USS WASP (LHD-1)
- Tested at NFSEC without damage



BEFORE



AFTER 50 VERTICAL LANDINGS