*Table 6. — (Concluded)*

| Coating designation | Titanium substrate | Surface preparation | Coating thickness, mm (inch) | Coating cure | Hydraulic fluid | Exposure at 505°K (450°F), hours | Results |
|---|---|---|---|---|---|---|---|
| Andrew Brown B-2000 (Silicate) | CP | $PO_4$-Fl treatment | 0.041 (0.0016) | Dry 1 hour + bake at 450°K (350°F) for 1 hour | Skydrol 500B | 96 | Some coating removed; some substrate etching |
| Andrew Brown B-2000 (Silicate). | CP | $PO_4$-Fl treatment | 0.041 (0.0016) | Dry 1 hour + bake at 450°K (350°F) for 1 hour | Hyjet IV | 96 | Some coating removed; no substrate etching |
| DeSoto Fluoropon (Fluoropolymer) | CP | Grit blasted | 0.010 (0.0004) | Bake at 535°K (500°F) for 1 hour | --- | Test not run | Coating softened at 500°K (440°F) |
| Dow Corning XR-62205 (Silicone) | CP | Grit blasted | 0.025 (0.001) | Bake at 535°K (500°F) for 1 hour | Skydrol 500B | 48 | Coating removed; substrate etched severely |
| DeSoto 763-003 (Silicone) | CP | $PO_4$-Fl treatment | 0.056 (0.0022) | Bake at 360°K (190°F) + 535°K (500°F) for 1 hour each | Skydrol 500B | 96 | Coating removed; substrate etched severely |
| Repaired panel 2 coats Hanovia Gold #6854 | CP | $HNO_3$-HF etch | 0.0002 (0.00001) | Bake at 700°K (800°F) for 12 minutes after each application | Skydrol 500B | 96 | No coating removed; no substrate damage |
| 2 coats monoaluminum phosphate [70% $Al(H_2PO_4)_3$ + 10% $MgNO_3$ + 20% $CrO_3$] | CP | $HNO_3$-HF etch | 0.08 (0.003) | Bake at 590°K (600°F) for 10 minutes | Skydrol 500B | 96 | Coating removed (a); substrate etched severely |
| 2 coats Kolene Kov Kote | CP | $HNO_3$-HF etch | 0.0008 (0.00003) | Bake at 590°K (600°F) for 10 minutes | Skydrol 500B | 96 | Coating removed (b); substrate etched severely |
| 2 coats Hanovia Gold #6854 + 2 coats monoaluminum | CP | $HNO_3$-HF etch | 0.08 (0.003) | Gold bakes + MAP bake | Skydrol 500B | 96 | MAP coating removed (a); some gold removed; some severe etching |