



P: 800-593-0126
F: 317-879-2051
www.accessa.com



PERFORMANCE EVALUATIONS OF INVIRATHANE **2.8 V.O.C. CATALYZED ACRYLIC URETHANE**

All test results listed below were performed at room temperature on steel panels primed with Epoxy Glaze Primer at 1 mil dry film thickness and finished with InviraThane at 2 mils dry film thickness. All panels were cured for 7 days.

1. **Pencil Hardness:**
ASTM D 3363. Dry film after 7 day cure is 3H
2. **Abrasion:**
ASTMD 4060. Passes most severe Taber abrasion test, CS-17.
3. **Adhesion:**
ASTM D 3359. Passes crosshatch adhesion test. Denotes excellent adhesion to properly prepared surfaces.
4. **Impact Flexibility:**
ASTM D 2794. Direct impact, 25#. Impact resistance is very good.
5. **Fluid and Chemical Resistance:**
ASTM D 1308: Exposures were for 3 minutes.
Acid Resistance: 5% hydrochloric – 2H. Very Good.
Alkaline Resistance: 5% sodium hydroxide – H. Good.
Water Resistance: 2H. Excellent.
Brake Fluid Resistance: 2H, dulled gloss. Good.
Fuel Resistance: 100% gasoline – 2H. Excellent.
Oil Resistance: Excellent.
6. **Humidity:**
ASTM D 4585-87. No failures after 1000 hours exposure. Excellent.
7. **Salt Spray (Fog):**
ASTM B 117-73. Passes 1000 hours exposure requirements.
8. **Accelerated Weathering:**
ASTM G 53-88. After 500 hours of ultraviolet exposure, high gloss panels lost 9% and semi-gloss lost 29%. Test requires loss of gloss not to exceed 50%. Retention is excellent.

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