

---

---

# S-1401-L

## Water Based Polyurethane Dispersion

---

---

### Product Description

- Self-crosslinking, NMP free and APEO free
- Excellent chemical resistance and excellent gloss
- Adhesion to a variety of substrates
- Extremely hard film
- For use in top coats for wood, metal, concrete, and flooring coatings

### Product Properties

Solids (%): 31-33  
VOC (g/L): 84-86  
Gloss (%) @ 60°: 80-100

### Film Properties

Tensile (D-882, psi): 7,000  
Elongation (D-882, %): 60  
Pencil Hardness (D-3363): 6H

### Substrate Cross-Cut Adhesion

Cold Roll Steel-unpolished: 5B  
Aluminum-untreated: 5B  
Brass-untreated: 5B  
HDPE-untreated: 0B

ABS-untreated: 0B  
Polycarbonate-untreated: 0B  
Nylon-untreated: 0B

### Chemical Resistance

(5 = no damage. Films dried for 15 minutes at 80°C, then equalized at room temp. for 7 days. Tested using ASTM D-1308)

Water: 5  
Acetic Acid: 5  
Ammonia: 5  
Methyl Ethyl Ketone: 5  
2-Propanol: 5  
Gasoline: 5

Synthetic Natural Polymers

Durham, NC Phone: 919-598-0400

Revised July 21, 2023

