

Wearlon[®] 722 Technical Data Sheet

Unique Properties

Wearlon[®] 722 System has been designed for high performance areas where hardness, chemical and abrasion resistance is required. The aliphatic backbone of *Wearlon[®] 722* provides excellent UV resistance, which makes it particularly useful in exterior applications. One of the most outstanding features of *Wearlon[®] 722* is its rapid hardness development. *Wearlon[®] 722* is water borne and extremely tough even at deposits of 1 to 2 mil dry film thickness.

TYPICAL PROPERTIES

• Type	Aliphatic polyurethane
• Appearance	Amber colored dispersion
• Total solids	35%
• pH	8.3
• Viscosity, Brookfield, 25°C, cps	300
• Specific gravity of solids @ 25°C	1.14
• Freeze/thaw stability	Passes 5 cycles
• VOC, by weight	360 gms/liter
• Type of VOC	N-Methyl Pyrrolidone

KEY BENEFITS

- Rapid hardness development
- UV resistance
- Abrasion resistance
- Chemical resistance
- Impact resistance
- Flexibility
- Water borne
- Pigmented or transparent
- Meets U.S.D.A. requirements for indirect food contact surfaces.

ADHESION PROPERTIES

Wearlon® 722 primer has outstanding adhesion to a wide variety of substrates. However, on certain metal and special substrates, we suggest that proper sand blasting or anticorrosive coating be applied before *Wearlon® 722* application.

<u>Metal</u>		<u>Plastic</u>	
Untreated Cold		Polycarbonates	Excellent
Rolled Steel	Excellent	Vinyl	Excellent
Bonderite 100	Excellent		
Bonderite 1000	Excellent		
Tin Plate	Excellent		
Untreated Aluminum	Excellent		
Anodized Aluminum	Excellent		

All surfaces must be free of contaminates. For metal surfaces, a white metal blast is recommended. For concrete surfaces, blasting or blast-track will give the best results. For new concrete surfaces, a 5% acid wash is acceptable.

FORMULATING GUIDE

Flash rusting is seldom encountered with systems based on *Wearlon® 722*. However, unusually high humidity conditions may cause some problems. Ammonium benzoate, as well as other anti-flash rusting products available at local paint stores, is effective in eliminating flash rusting.

COLORS

Available in clear or color.

CAUTION: *Wearlon®* surfaces have a low coefficient of friction and therefore tend to be slippery.

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