



BLUE RIVER COATINGS

Product Data Sheet

HYDRO-FLEX PIR (Heat Reflective) POLYURETHANE TOP COAT

TEST PERFORMANCE DATA

PRODUCT DESCRIPTION

BLUE RIVER COATINGS HYDRO-FLEX PIR POLYURETHANE TOPCOAT is a high performance, heat reflective, single component water dispersible polyurethane. HYDRO-FLEX PIR is formulated with heat reflective pigments to provide the option of painting multiple substrates to include vinyl and plastic with dark colors that minimize heat gain. The product also offers outstanding coverage, excellent durability and is easy to apply. HYDRO-FLEX PIR is a low VOC and EPA compliant coating.

TESTING

AAMA 615-05 Organic Coatings on Plastic Profiles (HF-IR with hardener)

BLUE RIVER COATINGS HYDRO-FLEX PIR POLYURETHANE TOPCOAT has been tested according to the American Architectural Manufacturers Association (AAMA) 615-05 (Organic Coatings on Plastic Profiles) test requirements. All testing was performed on AAMA approved substrates. All tests were performed and certified by an AAMA certified laboratory. The results are as follows:

1. Color Uniformity	6.1	Pass
2. Specular Gloss	6.2	Pass
3. Dry Film Hardness	6.3	Pass
4. Film Adhesion	6.4	
Dry	6.4.1.1	Pass
Wet	6.4.1.2	Pass
Boil	6.4.1.3	Pass
5. Direct Impact	6.5	Pass
6. Abrasion Resistance	6.6	Pass = 114 (Has to be greater than 40)
7. Chemical Resistance	6.7	
Muriatic Acid	6.7.1	Pass
Mortar	6.7.2	Pass
Nitric Acid	6.7.3	Pass D.07
Detergent Resistance	6.7.4	Pass
Window Cleaner	6.7.5	Pass
8. Humidity	6.8	in test
9. Cold Crack Cycle	6.10	Pass
10. Oven Aging	6.11	Pass
11. Heat Build Up F/C	6.12	
Horizontal		44.0/24.4
Vertical		36.2/20.1