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Bondthane™ UD-220

DESCRIPTION: Bondthane UD-220 is an aliphatic polyester polyurethane dispersion which exhibits a hard, abrasion resistant film which can be used in a variety of applications for rigid substrates. This polymers excellent alkali detergent and water resistance make it an excellent candidate for high end wood coatings. This polyurethane is compatible with many acrylic emulsions which allows the formulator maximum flexibility.

SUGGESTED APPLICATIONS: Excellent choice for wood coatings and rigid plastic coatings. Can also be blended with acrylics to increase properties in concrete coatings.

TYPICAL PHYSICAL PROPERTIES:

Solvent %:	13.7%	Acid #:	21
Solids (by weight):	35.0%	VOC (g/L less water):	334
Solids (by volume):	31.23%	Particle Charge:	Anionic
pH (@ 25 C):	7.5 - 9.5	König Hardness:	114 s
Viscosity (@ 25 C):	300 cps.	Tensile Strength:	6500 psi
Weight/gallon:	8.8 lbs/gal.	100% Modulus:	5000 psi
Specific Gravity	1.06	% Elongation:	200%

*These values signify typical physical properties for comparative purposes only and are not intended as a specification.

CROSSLINKING: This product may be crosslinked with a variety of chemistries that can result in even better resistance properties. In almost all cases, crosslinking will result in either a two-component system or a system that will require heat activation. Ask your technical representative to explain crosslinking options and levels.

SAFETY & HANDLING: This product is waterborne but is intended for use by qualified professionals. As with all industrial products, please consult the Material Safety Data Sheet prior to use.

ETDS UD-220
Rev. 08/21

The information presented in this Technical Data Bulletin is intended to convey the best available data on this compound to facilitate its safe handling and to stimulate interest in its use. The uses referred to are listed for purposes of illustration only, and it is recommended that sufficient investigation to be carried on to establish the suitability of their application in any particular use. No guaranty or warranty is implied or intended as to the suitability of any chemical compound for any particular use. Nothing herein is to be construed as advising or authorizing practice of any invention covered by existing patents without license from the owners thereof.