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Bondthane™ UD-410

DESCRIPTION: Bondthane UD-410 is an extremely soft, VOC Free aliphatic/polyether waterborne polyurethane. UD-410 produces a soft hydrophilic film suitable for applications where good moisture vapor transmission properties or a hydrophilic coating is desired. Unlike most waterborne polyurethanes, this polymer is stable over a wide pH range and is potentially compatible with both anionic and cationic additives and resins.

SUGGESTED APPLICATIONS: The unique properties of this polyurethane make it suitable for many specialty applications and coating that can benefit from the pH stability, ionic stability, or the unique hydrophilic nature of the final film. Textile coatings in particular can benefit from the good moisture vapor transmission (MVT) properties of the film. UD-410 can be used as the sole film former or in conjunction with other resins to improve MVT properties. In addition, the ZERO VOC level of this polymer makes it possible to make an exceptionally “green” finished product.

TYPICAL PHYSICAL PROPERTIES:	Solvent %:	0%	Acid #:	N/A
	Solids (by weight):	35%	VOC (g/L less water):	0
	Solids (by volume):	32.3%	Particle Charge:	nonionic
	pH (@ 25 C):	5.0 – 7.0	König Hardness:	5 s
	Viscosity (@ 25 C):	<100 cps.	Tensile Strength:	N/A
	Weight/gallon:	8.7 lbs/gal.	100% Modulus:	40 psi
	Specific Gravity	1.04	% Elongation:	600%

*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. Protect from Freezing.

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