

TECHNICAL DATA SHEET



HYDRO-BLOCK AM

UMB-1181AM

PRODUCT DESCRIPTION	proTECHzÜ 1181AM - Hydro Block AM: <ul style="list-style-type: none"> • is a single component solution • ambient cures • has extreme hydrophobic properties. • creates an intrinsic bond to the substrate material penetrating deep into the fibers. • creates a self-lubricating dry film on each fiber or stitching, greatly reducing fiber wear. • though a “Nano-Ceramic”, it will leave cloth fabrics soft and supple, not hard or rigid. • is an ideal product for heavy service sail cloth to thin soft fabrics and to leather goods. 		
PROPERTIES	Colour Clear	Conical Bond (1/8 inch mandrel)	Passed (ASTM D522-93a)
	Viscosity 12 sec. #2 Zahn	Crosscut Adhesion	5B (ASTM D3359)
	Percent of Solids 14%	Coefficient of Friction	0.03µ (ASTM D2047)
	Odor (liquid) Slight Solvent	Specific Gravity	0.889 (ASTM D891-09)
	Odor (cured) None	Pencil Hardness	8h (ASTM D3363)
	V.O.C. Exempt per CFR 51.1 / regulation 8	Average Applied Dry Film Thickness	2 to 3 microns
	RoHS Compliant	Estimated Coverage Rate (@ 2-3 microns)	4,500 sq./ft. per gallon*
	REACH Compliant	Transfer to surrounding material	Zero (0) non-toxic
	Halogens None	Dry to touch (time @ambient)	15 – 25 minutes** (average)
	Thermal Stability (cured) 1200°F + (648.8°C)	Ambient cure time	12 hours or more

(* absorbcency of the solution into the substrate will vary results)
 (* a warm airflow (110°F or less) will reduce the “Dry to Touch” and full cure time)

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