

TECHNICAL DATA SHEET



HYDRO BLOCK

QP-1181

PRODUCT DESCRIPTION	QproTECH Hydro Block QP-1181: <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

(* absorbency 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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