

URETHANE PRODUCTS CORPORATION **HIGH PERFORMANCE POLYUREA COATINGS**

Steel Piling Project Coated With UPC 9200M Polyurea

UPC 9200M Polyurea coating was chosen as an alternative over traditional coatings. The marina required a coating that would provide excellent abrasion and impact resistance when the floating dock rides on the steel pile as the tide fluctuates.

UPC 9200M is a 100% solid two-component polyurea. The product is applied to the piling prior to being put into service using a heated plural component spray machine that produces a minimum of 2000 psi at the spray tip. The material is applied at a temperature range of 140° - 160° to insure proper ratio and bonding. UPC 9200M was specifically formulated for this application and has been used and tested for durability in marine environments for long-term use.

Physical properties UPC 9200M

100% Solid no VOC Polytetramethylene ether glycol, epoxy, 2,4 toluene diisocyanate and based urethane elastomer. The cured elastomer has a specific gravity of 1.12, approximately 9.3 lbs. Per gallon.

Density	ASTM D 1622	70
Hardness @ 73°F	ASTM D 2240	95 Shore A
Tensile Strength (lbs.)	ASTM D 412	2,650
Elongation, Ultimate %	ASTM D 412	340
Tear Strength (lbs/inch)	ASTM D 470	421
Flex Life (Ross)	ASTM D 1052	20,000 cycles
Abrasion Resistance (NBS)	ASTM D 1630	520
Permeability (100°F 90% H)	ASTM E 96	.0947/264 Hrs

UNCOATED STEEL PILE



COATED WITH UPC 9200



Designed for Marine Environments, Corrosion, Abrasion and Impact Resistant

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