

URETHANE PRODUCTS CORPORATION

HIGH PERFORMANCE POLYUREA COATINGS

TIMBER ENCAPSULATION

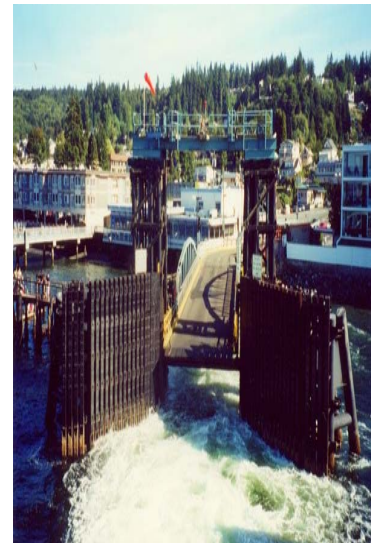
UPC 9200M Polyurea coating was chosen by Washington State Ferries and the State fisheries department in a test project to encapsulate creosote treated timber piles. The objective was to encapsulate the timber and prevent the leaching of creosote into the water. The coating had to provided high impact and abrasion capability along with excellent adhesion and permeability ratings. This and related applications could provide a valuable solution for environmentally sensitive areas.

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 cycls
Abrasion Resistance (NBS)	ASTM D 1630	520
Permeability (100°F 90% H)	ASTM E 96	.0947/264 Hrs



Designed for Marine Environments, Corrosion, Abrasion and Impact Resistant
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