

URETHANE PRODUCTS CORPORATION

High Performance Polyurea Manufacturer

UPC 9200 Spray Coating

High Physical Performance Polyurea

Product Description

UPC 9200 is a slow cure high performance polyurea spray elastomer coating with superior performance in marine applications has excellent hydrolytic stability, is non-water absorbing, tested and rated for permeability. Provides increased UV stability, applications include steel and timber piling and concrete protection.

Properties

UPC 9200 is a 100% solids, 2-component, 1:1 ratio material with elongation exceeding 325%. It has superior chemical resistance and excellent physical properties.

Application

UPC 9200 must be applied to the substrate using a plural component spray pump with a minimum of 2000-psi capability at the spray tip and must be heated to a minimum of 140°F. Application temperature range is between 20°F to as high as 200°F.

Slow cure properties

UPC 9200 is a slow cure material with up to 8 minutes tack free time. Will not drip or run while tack free. Designed with high physical properties, hydrolytic stability, excellent impact and abrasion. Provides increased UV stability in an aromatic coating.

Usage

UPC 9200M provides low permeability for use in marine environments to coat and encapsulate steel, timber, sheet pilings and concrete. Increased UV stability.

Coverage

UPC 9200M is typically applied in continuous coats of 10 mills to 250 mills in thickness but has no limit on the build up thickness.

Coverage Rates Per sq ft (Per Gallon) Est. Subject to substrate condition.
50 Mills = 32 sq ft 80 Mills = 20 sq ft 125 Mills = 13 sq ft

Steel Buoy Project Coated With
UPC Marine Grade Polyurea



Steel Mooring Buoy, Port Hueneme
US Navy, San Nicholas Island CA

Creosote Treated Timber Encapsulated
with UPC Marine Grade Polyurea



Washington State Ferry System
Mukilteo Terminal

PHYSICAL PROPERTIES

Density	ASTM D 1622	70
Hardness	ASTM D 2240	95 A
Tensile	ASTM D 412	2780 psi
Elongation %	ASTM D 412	340
Tear Strength	ASTM D 470	430 lbs / inch
Abrasion	ASTM D 1630	490 NBS
Permeability	ASTM E 96	.0947 WVT

CHEMICAL RESISTANCE INTERMITTENT CONTACT

Sulfuric Acid (30%)	No change in appearance
Sodium Hydroxide (10%)	No change in appearance
Sodium Carbonate (2%)	No change in appearance
Aviation Fuel	No change in appearance
Diesel Fuel	No change in appearance
Mineral Oil	No change in appearance

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