

SG E-375-08 SLOW CURE MARINE GRADE SPRAY POLYUREA

PTMEG Based For Increased Durability In Marine Environments

MARINE GRADE POLYUREA COATING SYSTEM

Marine grade E-375-08 is a slow-cure PTMEG based 100% solids spray Polyurea system designed for a variety of applications including the encapsulation of treated timber products to prevent toxins from leaching into the environment. E-375-08 can be used for encapsulating Creosote, ACZA, and on non-treated timber piling. Engineered for the marine environment E-375-08 is a self-leveling product providing a smooth surface with a longer gel time to promote better adhesion, compared to standard Polyurea systems. E-375-08 is used in a variety of marine applications including: timber piling, steel piling, marine fenders, composite buoys, steel buoys, steel camels, timber camels, fenders boards, water proofing, and corrosion protection. E-375-08 has a proven history of performance and long term durability in marine applications and is the specified product for many US NAVY projects.

BOARD WALK, SANTA CRUZ, CA / 10" X 10" ACZA TREATED



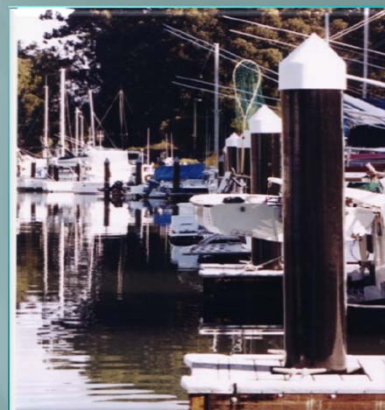
STEARNS WHARF, SANTA BARBARA, CA



COAST GUARD ISLAND, ALAMEDA, CA / ACZA



SANTA CRUZ HARBOR, SANTA CRUZ, CA / STEEL PILING



COMMON USES

- Timber Piling
- Abrasion protection for mining equipment
- Coating for corrosion protection
- Secondary containment of concrete
- Steel tanks, pipes, boats, ships
- Concrete protection
- Steel piling
- Steel buoys
- ❖ See data sheet for physical characteristics, US NAVY specifications.

OUR CUSTOMER LIST INCLUDES:

- City of Santa Cruz
- Port of San Diego
- BAE Systems
- Marathon Construction
- CH2M HILL
- Moffatt & Nichols
- KPFF Consulting Engineers
- Halcrow
- Port of Los Angeles
- California State Parks
- City of Santa Barbara
- Techno Coatings West
- City of Trinidad
- Manson Construction
- Kiewit-Weeks-Sandwell
- RE Staite Engineering
- Chevron Texaco Products
- Healy Tibbitts Builders Inc.
- US Coast Guard
- Hyundai Heavy Industries, Inc.
- Oceanscience Group
- Port of San Francisco
- Warren Construction
- Thatcher Construction, Inc.
- City of New Port Beach
- West Coast Contractors

APPLICATION: SG-E-375-08 is applied using a high pressure plural component spray system with minimum capability of 2000 psi pressure at the spray tip. Available standard colors: Black, Tan, Brown, and Gray. SG-E-375-08 Marine Grade Polyurea Coating System is applied at 125-250 mil thickness to provide a durable abrasion resistant protective coating. On treated timber application SG-E375-08 is a proven product that adheres effectively to treated timber keeping toxins out of the water ways. Steel applications include piling for floating dock systems providing abrasion and corrosion protection, steel camels for vessel protection, and pier piling for long term abrasion and corrosion protection.

**TECHNICAL DATA
PHYSICAL PROPERTIES**

Shelf life	1-year
Re-coat time	1- hour
Foot traffic	1-hour
Wheel traffic	2-hours
Tack free @ 72°F	5-8-min
Pot Life @ 72°F	none
Mixing ratio A-B	1-1
Total Solid Content	100 %
Elongation (ASTM D412)	375 %
Tensile (ASTM D412) (psi)	2600-2800
Color stability (aromatic)	none
Flex-Life (ASTM D 1052) (cycles)	200,000
Taber Abrader (ASTM D 4060)	
500 cycles	.094 / 1000
Tear (ASTM D 624)	520 lbs./in
Hardness (ASTM D 2240)	80-90A
Permeability (ASTM E 96)	0.067 WVTV
V.O.C Content	0%

SET TIMES

Initial set times	45-60 seconds
Tack free	5-8 minutes
Return to service	1-2 hours

STEARNS WHARF,
SANTA BARBARA
ACZA TREATED TIMBER PILE



PORT OF LOS ANGELES,
PRESSURE TREATED
TIMBER CAMEL LOG



US COAST GUARD, MA
STEEL CAMEL / URETHANE
FLOTATION FOAM CORE



FOR ADDITIONAL INFORMATION CONTACT: THUNDERBOLT WOOD TREATING SERVICES

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