



PROTECTING YOUR WORLD

# SPLASH<sub>pro</sub>

## SPLASH<sub>pro</sub> M1 Series

Banded HDPE System

### Description

Corrosion Protection Solution for Wharf Pilings in Marine Environments. SPLASH<sub>pro</sub> M1 stops corrosion on Pilings within the Wave Zone by using Central Products STACwrap Materials: STACprime UW, STACfill, and STACwrap; Secured to the pilings with custom designed SPLASH<sub>pro</sub> HDPE Outercover using the customer-specified banded design.

### Uses

Ideal for the corrosion protection of near shore Wharf and Jetty Pilings made of Steel, Timber, and Concrete. Offshore applications on Coastal Beacons, Subsea Pipelines, Risers, and Platforms. Also used on Ocean Vessels and various structures in Ports and Harbors for corrosion protection from harsh marine conditions.

### Characteristics

SPLASH<sub>pro</sub> M1 Series is easy to apply, has a low relative cost, and has been proven effective aggressive marine environments.

SPLASH<sub>pro</sub> M1 Series can be removed for periodic inspections of the STAC Coating System and substrate.

SPLASH<sub>pro</sub> M1 Series is designed specially for exposed conditions. It contains no additives or fillers which can leach out and cause deterioration over time.

### Application

Remove all loose rust, coatings and marine growth by hand /power tool cleaning and/or water blasting to SSPC SP 2 / 3.

STACprime is applied in a circular motion to the prepared steel by a gloved hand or power roller.

STACfill should be utilized to better contour the substrate for large surface imperfections, or when encountering intersecting cross members.

STACwrap is to start from the bottom of the area to be protected with a double turn, then spirally apply with a 55% overlap to ensure a double thickness of material, and finish the wrap with a double turn.

The mechanical tensioning and securing of the Outercover is achieved by the utilization of a banded system with a tension wrench.

Particulars	Properties			Test Method
	M1-80	M1-100	M1-120	
Material	M1-80	M1-100	M1-120	---
Nominal Thickness, mm	2.0	2.5	3.0	ASTM-D5199
Density, g/cm <sup>3</sup>	0.94	0.94	0.94	ASTM-D1505
Tensile Properties: -				ASTM-D638
Yield strength, N/mm	30	38	45	Type IV,2 ipm
Break strength, N/mm	57	71	85	
Yield elongation, %	13	13	13	G.L.1.3 in.(33mm)
Break elongation, %	700	700	700	G.L.2.0 in.(51mm)
Tear resistance, N	267	334	400	ASTM-D1004
Puncture resistance, N	703	881	1059	ASTM-D4833
Carbon black content, %	2.0-3.0	2.0-3.0	2.0-3.0	ASTM-D1603
Notched constant tensile load, hours	400	400	400	ASTM-D5397
Melt index, g/10min.	1.0	1.0	1.0	ASTM-D1238
Oxidative induction time, min.	100	100	100	ASTM-D3895
Low temperature brittleness, °C	-77	-77	-77	ASTM-D746

### Strapping System

Type	Thickness (mm)	Width (mm)	Breaking Strength (lbs)
316 SS	0.76	19.05	1800
317L SS	0.76	19.05	2580
PA11/PA11GF	3.6	10 – 25	340 – 2250
PA66/POM	3.6	10 – 25	485 – 1900

Note: Smart Band is available in a number of materials Acetal POM, Nylon 6.6. (PA66), Nylon 11 (PA11) and Nylon 11 Glass Filled (PA11GF).

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