

STACprime
STACfill
STACwrap
STACguard



Petrolatum Coating Products

The Right Connection

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STAC Coating System: STACprime



STACprime and STACprime UW SPECIFICATIONS

	STACprime		STACprime UW	
Application Temperature Range	23°F to 130°F	(-5°C to 55°C)	23°F to 130°F	(-5° to 55°C)
Service Temperature Range	-270°F to 180°F	(-168°C to 80°C)	-270°F to 180°F	(-168°C to 80°C)
Flash Point	320°F	(160°F)	356°F	(180°C)
Coverage	9.25 ft ² /lb	(2 to 5 m ² /ltr.)	3.70 ft ² lb	(1 to 3 m ² ltr)
Packaging	7 lbs, 44 lbs/bucket	(4 ltr., 20 ltr./bucket)	7 lb bucket	(4 ltr bucket)

STACprime Coating System

Part Number	Product	Description	Weight
5810000	STACprime	4 @ 7# Containers / per case	29.00
5810002	STACprime UW	4 @ 7# Containers / per case	29.00
5810064	STACprime White	4 @ 7# Containers / per case	29.00

STAC Coating System: STACfill and STACfill Lite



STACfill & STACfill Lite SPECIFICATIONS

	STACfill		STACfill Lite	
Density	.05 in ³ /lb	(1.38 g/cm ³)	.02 in ³ /lb	(0.61 g/cm ³)
Application Temperature	23°F to +165°F	(-5° to +55°C)	23°F to + 165°F	(-5° to +55°C)
Operation Temperature	-270°F to +180°F	(-168° to +80°C)	-270°F to + 180°F	(-168° to + 80°C)
Packaging	6.6 lb/block	(3 Kg/block)	2.9 lb/block	(1.3 Kg/block)

STACfill Coating System

Part Number	Product	Description	Weight
5810003	STACfill	8 @ 6.6# Blocks / per case	52.80
10001046	STACfill Lite	8 @ 2.9# Blocks / per case	23.20

STAC Coating System: STACwrap



STACwrap SPECIFICATIONS

Tensile Strength	45 lbf/in min	(200 N/25mm)
Water Vapor Permeability	0.006 Perms avg.	(ASTM E96-66 A)
Breakdown Voltage	16 Kv min with 55% overlap	
Mass	0.295 lb/ft ² avg	(1.44 kg/m ² avg)
Application Temperature Range	23°F to 165°F	(-5°C to 55°C)
Service Temperature Range	-270°F to 180°F	(-168°C to 80°C)
Thickness	>40 mils	(>1.0 mm avg)
Length	33 ft roll	(10 m roll)
Standard Widths	2" to 12"	(50 mm to 300 mm)
Packaging	72" × 33'/case	(18 m ² /case)

STACwrap Coating System

Part Number	Product	Description	Weight
5810004	STACwrap 2"	36 Rolls @ 33' each / per case	62.00
5810005	STACwrap 3"	24 Rolls @ 33' each / per case	61.00
5810006	STACwrap 4"	18 Rolls @ 33' each / per case	59.00
5810007	STACwrap 6"	12 Rolls @ 33' each / per case	56.00
5810008	STACwrap 8"	8 Rolls @ 33' each / per case	51.00
5810009	STACwrap 12"	6 Rolls @ 33' each / per case	63.00

STAC Coating Systems: STACguard



STACguard SPECIFICATIONS

Tensile Strength	40 lbf/in min	(200 N/25mm)
Elongation at Break	180%	
Breakdown Voltage	19 Kv single layer	(300g/25 mm)
Adhesion	10.5 oz/in width	(390 g/25 mm)
Application Temperature Range	23°F to 130°F	(-5°C to 55°C)
Service Temperature Range	-232°F to 180°F	(-147°C to 80°C)
Thickness	>10 mils	(>0.25 mm avg.)
Length	134 ft roll	(41 m roll)
Widths	2" to 12"	(25 mm to 300 mm roll)

STACguard Coating System

Part Number	Product	Description	Weight
call	STACguard 2"	32 Rolls @ 134' each / per case	27.50
5810031	STACguard 4"	16 Rolls @ 134' each / per case	37.30
5810032	STACguard 6"	10 Rolls @ 134' each / per case	25.70

STAC Coating System: Chemical Resistance Performance

STAC COATING SYSTEM					
Category	Chemical Concentration % by Volume			After 3 Months	After 1 Year
Acids Inorganic	Nitric Acid (HN03)	10%	50%	○ ×	■ ×
	Sulfuric Acid (H2SO4)	10%	25%	● ■	×
	Chloric Acid (HClO3)	10%	CONC	○ ●	□ ×
	Phosphoric Acid (H3PO3)	50%	90%	● □	×
Acids Organic	Acetic Acid (CH3COOH)	10%		○	□
	Formic Acid (HCOOH)	10%		●	×
	Lactic Acid (C3H6O3)	10%		●	×
	Boric Acid (H3BO3)	10%		□	□
	Tartaric Acid (C4H6O6)	10%		○	○
	Oxalic Acid (COOH)2	10%		○	○
	Citric Acid (C6H8O7)	10%		○	○
Alkalis	Ammonium (NH4)	28%		○	○
	Caustic Soda (NaOH) (Sodium Hydroxide)	5%	20%	○	○
	Caustic Potash (KOH) (Potassium Hydroxide)	5%	20%	○	○
	Carbonic Soda	20%		○	○
Salt, etc.	Sodium Chloride (NaCl)	20%		○	○
	Ammonium Sulfate (NH4)SO4	20%		○	○
	Hydrogen Peroxide (H2O2)	20%		○	○

○ - No Damage □ - Slight Damage ■ - Damage ● - Great Damage × - Complete Destruction

STAC Coating System: Quantity Estimate and Coverage

NOTE: Quantities and calculations are estimates

STACwrap

All Pipe Sizes: 1" Overlap

$$1. \text{ No. of Rolls} = \frac{.21 \times \text{length of pipe in feet} \times \text{O.D. in inches}}{\text{Twice width of wrap in inches, less 2"}}$$

All Pipe Sizes: 55% Overlap

$$2. \text{ No. of Rolls} = \frac{.23 \times \text{length of pipe in feet} \times \text{O.D. in inches}}{\text{Width of wrap in inches}}$$

3. Recommended width of wrap

- A. Pipe up to 3" diameter: 2" wrap
- B. Pipe 4"-6" diameter: 4" wrap
- C. Pipe 8"-12" diameter: 6" wrap

STACprime

- 1. 7 Pounds of prime per case of wrap w/1" overlap
- 2. 22 Square feet of coverage per pound
10 Square feet of coverage per pound underwater

STACfill		
Pipe Diameter	Flange Pairs (lbs of STACfill)	Flange Valves (lbs of STACfill)
2"	3.00	6.25
3"	4.75	9.50
4"	6.25	12.50
5"	8.00	15.75
6"	9.50	19.00
8"	12.50	25.00
10"	16.00	31.50
12"	19.00	38.00
14"	22.00	44.00
16"	25.00	50.25
18"	28.25	56.50
20"	31.50	63.00
22"	35.00	69.00
24"	38.00	75.50
30"	47.00	94.25
36"	57.00	113.00
40"	63.00	126.00
44"	69.00	138.25
48"	75.50	151.00
60"	94.25	188.50

STACwrap and STACguard Coverage Rates (Sq ft of surface area per roll)

Product	Roll Length	55% Overlap	1" Overlap
STACwrap 2"	33 ft	2.30	n/a
STACwrap 3"	33 ft	3.44	5.00
STACwrap 4"	33 ft	4.59	7.49
STACwrap 6"	33 ft	6.89	12.49
STACwrap 8"	33 ft	9.18	17.48
STACwrap 12"	33 ft	13.77	27.47
STACguard 2"	134 ft	6.90	n/a
STACguard 4"	134 ft	13.77	22.47
STACguard 6"	134 ft	20.67	37.47