

Coiled Pipe Markers



Coiled pipe markers are moulded polyester identification strips, used to display information on both interior and exterior pipework. Each individual supply can be tailored to suit any client's standards, including dual language and both corporate and national legislation. Our experienced surveying team can work from Piping and Instrumentation Diagrams, which allows for an accelerated turnaround.

Typical pipe marker information (not limited to):-

- Color code
- Content and Direction of flow
- To and From
- Line Number and/or P&I.D. reference number
- Pressures

Key benefits:

- Durable and long lasting.
- Temperature range: -40°C to 200°C.
- Coiled self-locking material; keeps secure even on angled or vertical pipes.
- Excellent thermal and dimensional stability.

Our coiled pipe markers are manufactured using high quality, industrial standard UV inks, which produces a highly durable print. To further protect our pipe markers from heat and contaminants, we also apply a protective layer of clear overlamine, which enables us to offer a prolonged life of 7 years. Each marker has a double sided tape strip, which is stuck to itself on application and not to the pipe.



Using a fully certified installation team, Seaward Safety also offers an international installation service, which can be conducted offshore, in shipyards/quayside or in refineries, all over the world.



Color	Content	Direction	Pressure	Temperature	Material
Blue	FRESH WATER	→	10,000 PSI	200°C	STEEL
Red	FIRE FIGHTING / FOAM	→	10,000 PSI	200°C	STEEL
Green	FRESH WATER	→	10,000 PSI	200°C	STEEL
Yellow	DIESEL FUEL OIL	→	10,000 PSI	200°C	STEEL
Orange	FRESH WATER	→	10,000 PSI	200°C	STEEL
Purple	FRESH WATER	→	10,000 PSI	200°C	STEEL
Brown	DIESEL FUEL OIL	→	10,000 PSI	200°C	STEEL
Black	FRESH WATER	→	10,000 PSI	200°C	STEEL
White	FRESH WATER	→	10,000 PSI	200°C	STEEL
Grey	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light Blue	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light Green	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light Orange	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light Purple	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light Brown	DIESEL FUEL OIL	→	10,000 PSI	200°C	STEEL
Light Black	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light White	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light Grey	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light Light Blue	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light Light Green	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light Light Orange	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light Light Purple	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light Light Brown	DIESEL FUEL OIL	→	10,000 PSI	200°C	STEEL
Light Light Black	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light Light White	FRESH WATER	→	10,000 PSI	200°C	STEEL
Light Light Grey	FRESH WATER	→	10,000 PSI	200°C	STEEL

Products to compliment are also available from Seaward Safety, including our Pipe Marking Color Code Board.



TECHNICAL SPECIFICATIONS

POLYESTER SUBSTRATE

Property		Test method	Unit	Values	
General	Film thickness		micron	100	
	Area Yield		m ² /kg	7.1	
	Unit Weight		g/m ²	140	
	Density	ASTM D1505	g/cc	1.39	
Mechanical	Tensile strength at break (minimum)	MD	ASTM D882-83 (23°C, 50% rh, strain rate 50% min)	kgf/mm ²	14
		TD			17
	Stress at 5% strain (F5)	MD		kgf/mm ²	8
		TD			8
	Elongation at break	MD		%	120
		TD			120
Slip (co-efficient of static friction)		ASTM D1894-79 (modified)		0.4	
Optical	Color (D65 - 10°)	ASTM E313-79		L* = 97.8 a* = 0.1 b* = -3.2	
	Gloss	ASTM D2457-90 (Gardner 60°)	%	45	
	Total light transmittance (maximum)	ASTM D1003-77 (Gardner Hazemeter)	%	8	
Thermal	Upper melt temperature	ASTM E794-85	°C	255 to 260	
	Coefficient of thermal expansion (between 20 & 50°C)	MD	cm/cm/°C	19 x 10 ⁻⁶	
		TD		16 x 10 ⁻⁶	
	Shrinkage (175 micron film)	MD	5 mins at 190°C	%	3
TD		1			

PROTECTIVE OVERLAMINATE

PROPERTY	TEST METHODS	TYPICAL VALUE	
Surface Finish	Gloss Meter 60° Reflection	80-90% (Gloss) 35-45% (Satin) 05-10% (Matte)	
Thickness	Micrometer, Federal Bench Type	3-mil (75 micron)	
Tensile Strength	Tensile Tester with 2-in (51mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	10 lb/in width	1.8 kg/cm width
Elongation	Instron Tensile Tester as above	≥ 130%	
Application Temperature Range	On clean, dry substrate	40 - 100°F optimum	4.4 - 38°C optimum
Service Temperature Range	On clean, dry substrate	-20 - 150°F	-29 - 65°C
Humidity Resistance	Applied to etched aluminium panels 24hrs prior to testing. 100% release humidity, 100°F (38°C) for 500 hrs.	No appreciable effect	
Gasoline Resistance	Film applied to etched aluminium panels 24hrs prior to testing. Immersed 30 minutes at 70°F (21°C), stabilized 24hrs before inspection	No appreciable effect	
Dimensional Stability	158°F (70°C), 48 hours	20-mils	0.51 mm
Peel Adhesion	PSTC-1, 15 min, RT 70°F (21°C)	2.5 lb/in	0.45 kg/cm
Liner Release	TLMI Release at 90°, 300 in/min (760 cm/min)	120 g/2 in width	47 g/cm width