

## Ultra-Mark® High Performance Pipe Markers

The ultimate marker for harsh environments and outdoor pipe identification

- Markers resist abrasion, chemicals, high-humidity and outdoor weather
- Can withstand extreme temperatures from - 40° F up to 248° F
- Arrows included on every marker to indicate flow direction



**Description:**

Seton Ultra-Mark® Pipe Markers are printed on durable polyester that is over-laminated to protect the printed text and graphics, secured around the pipe with self adhesive tape strips. For pipes with diameter sizes of 8" and greater, heavy duty nylon ties are supplied in place of self-adhesive tape strips for ease of installation.

**Use:**

Seton Ultra-Mark® Pipe Markers are designed for use on dirty, oily, greasy, rough surfaced pipes. These Seton Pipe Markers are greatly recommended for applications in severe environmental conditions.

**Compliance:**

ASME/ANSI A13.1-2015

**Standard Legend Colors:**

Black or White

**Standard Background Colors:**

Blue, Brown, Green, Orange, Red, and Yellow

**Thickness (ASTM D 1593):**

Total 0.007 in. (0.178mm.)

**Standard Sizes/Dimensions:**

Marker Size	Fits Pipe Outer Diameter	Length Color Field	Letter Height
8SM	.5" - 1.375" (13mm - 35mm)	8" (203mm)	.5" (13mm)
8LG	1.5" - 2.375" (38mm - 60mm)	8" (203mm)	.75" (19mm)
12SM	2.5" - 3.875" (64mm - 98mm)	12" (305mm)	1.25" (32mm)
12LG	5" - 7.875" (152mm - 200mm)	12" (305mm)	1.25" (32mm)
24	8" - 10" (203mm - 254mm)	24" (610mm)	2.50" (64mm)
32	over 10" (over 254mm)	32" (813mm)	3.50" (89mm)

## Ultra-Mark® High Performance Pipe Markers (continued)

<b>Gloss:</b>	90 Gardner Units.
<b>Abrasion Resistance:</b>	CS-17 Wheels, 1000 g. wts.
<b>(Method 5306 of U.S. Federal Test Method Std. No. 191A):</b>	Legend withstands up to 700 cycles. Substrate withstands up to 1000 cycles.
<b>Service Temperature:</b>	-40°F to 248°F (-40°C to 120°C).
<b>Average Outdoor Durability:</b>	5-8 years (Average expected outdoor life of product will depend on user definition of failure, climactic conditions, mounting techniques, and material color).

Chemical Resistance:	Reagent	7 day Immersion	Dip Test	Rub Test
	30% Sulfuric Acid	NE	NE	NE
	10% Sulfuric Acid	NE	NE	NE
	30% HCL	NE	NE	NE
	10% HCL	NE	NE	NE
	50% NaOH	NE	NE	NE
	10% NaOH	NE	NE	NE
	10% NaCL	NE	NE	NE
	Methyl Ethyl Ketone	F	NE	NE
	Acetone	F	NE	NE
	Methanol	F	NE	NE
	1,1,1, Trichloroethane	F	NE	NE
	IPA (Isopropanol)	NE	NE	NE
	ASTM #3 Oil	NE	NE	NE
	SAE 20 Oil	NE	NE	NE
	Mineral Spirits	NE	NE	NE
	Diesel Fuel	NE	NE	NE
	Heptane	NE	NE	NE
	Toluene	NE	NE	NE
	Alconox	NE	NE	NE
	Kerosene	NE	NE	NE
	Bleach	NE	NE	NE
	Water	NE	NE	NE

NE: No Effect    F: Failed

<b>7 Day Immersion:</b>	Immersed in reagent for 7 days.
<b>Dip Test:</b>	Five 10 minute dips in reagent with 30 minute recovery.
<b>Rub Test:</b>	Rubbed sample for one minute with swab soaked in reagent.