

Self-Sticking Pipe Marker (B-946)

Low cost, easy to install and ASME compliant

- High-gloss vinyl is durable indoors or out
- Back-slitting the liner makes it faster and easier to peel off
- Built for ANSI Color and ASME A13.1 length and height specifications.



3 Types of Pipe Marker Installation



Description:

Self-Sticking Pipe Marker (B-946) is made of self-adhesive, indoor/outdoor grade vinyl with ASME specifications for background and letter colors, length of color field and letter height.

Use:

Self-Sticking Pipe Marker (B-946) is designed for use on pipes from 3/4" O.D. to over 10" O.D. and for use indoors and outdoors.

Compliance:

Self-Sticking Pipe Marker (B-946) meets ASME/A13.1 standards when used with Arrow Banding Tape to indicate flow direction for background and letter colors, length of field and letter height.

Standard Letter Colors:

Black or White

Standard Background Colors:

Black, Blue, Brown, Gray, Green, Orange, Purple, Red, White and Yellow.

Thickness (ASTM D 1593):

Total 0.004 in. (0.102mm).

Gloss:

60 Gardner Units .

Standard Sizes/Dimensions:

Marker Size	Fits Pipe Outer Diameter	Length Color Field	Letter Height
3C	Less than 3/4" (less than 19mm)	.5" (13mm)	.5" (13mm)
4	3/4" - 2 3/8" (19mm-60mm)	8" (203mm)	.7" (19mm)
XSV	3/4" - 1.375" (19.05mm - 35mm)	8" (203mm)	0.5" (13mm)
SMV	1.5" - 2.375" (38mm - 60mm)	8" (203mm)	0.7" (19mm)
1	2-1/2" - 7 7/8" (64mm - 200mm)	12" (305mm)	1.3" (32mm)
MDV	2-1/2" - 7 7/8" (63.5mm - 200mm)	12" (305mm)	1.3" (32mm)
1HV	8" - 10" (203mm - 254mm)	24" (610mm)	2.5" (64mm)
XLV	Over 10" (254mm)	32" (813mm)	3.5" (89mm)

Adhesive Properties:

Adhesion to Steel (PSTC-101)
 15 Minute Dwell to stainless steel (Avg.) — 80 oz./in. (87.5 N/100mm)
 Ultimate Dwell to stainless steel (72 Hrs.) (Avg.) — 85 oz./in. (93 N/100mm)
 15 Minute Dwell to polypropylene (Avg.) — 60 oz./in. (65 N/100mm)
 Ultimate Dwell to polypropylene (72 Hrs.) (Avg.) — 69 oz./in. (75 N/100mm)
 15 Minute Dwell to Powder Coated Metal (Avg.) — 60 oz./in. (65 N/100mm)
 Ultimate Dwell to Powder Coated Metal (72 Hrs.) (Avg.) — 75 oz./in. (82 N/100mm)

Date: ____ / ____ / ____ Job: _____

Contractor: _____

Single Pipe Markers (B-946) (Continued)

Abrasion Resistance: CS-10 wheels, 250 g wts.

(Method 5306 of U.S. Federal Test Method Std. No. 191A): Legend withstands up to 350 cycles. Substrate withstands up to 8000 cycles.

Service Temperature: -40°F to 180°F (-40°C to 82°C).

Average Outdoor Durability: 8-10 years (average expected outdoor life of product will depend on user definition of failure, climatic 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% Hydrochloric Acid	NE	NE	NE
	10% Hydrochloric Acid	NE	NE	NE
	50% NaOH	NE	NE	NE
	10% NaOH	F	NE	NE
	Methyl Ethyl Ketone	F	F	F
	Acetone	F	F	F
	Methanol	F	NE	F
	IPA (Isopropanol)	F	NE	F
	ASTM #3 Oil	NE	NE	NE
	SAE 20 Oil	NE	NE	NE
	Alconox!	NE	NE	NE
	Toluene	F	F	F
	Mineral Spirits	F	F	F
	Glacial Acetic Acid	F	F	F
	5% Acetic Acid	NE	NE	NE
	Diesel Fuel	F	F	F
	Heptane	F	NE	F
	10% Ammonia	NE	NE	NE
	Turpentine	F	F	F
	Kerosene	NE	F	F
	10% Sodium Chloride	NE	NE	NE
	Water	NE	NE	NE
	Gasoline	F	F	F

NE: No Effect **F:**Failed

7 Day Immersion: Immersed in reagent for 7 days.

Dip Test: Five 10 minute dips in reagent with 30 minute recovery.

Rub Test: Rubbed sample for up to 100 rubs on Sutherland Ink rub tester.

Shelf Life: 1 year when stored at 70°F (21°C) and 40% to 50% R.H.