

Product Data Sheet

Opti-Code™ Pipe Markers

Description

Seton Opti-Code™ Pipe Markers are made of self-adhesive, indoor/outdoor grade vinyl with ANSI specifications for background and letter colors, length of color field and letter height.

Use

Seton Opti-Code™ Pipe Markers are designed for use on pipes from 3/4" O.D. to over 10" O.D. and for use indoors and outdoors.

Compliance

Seton Opti-Code™ Pipe Markers meet ASME/ANSI A13.1-2015 standards when used with Seton Arrows-On-A-Roll™ to indicate flow direction. for background and letter colors, length of field and letter height.

Standard Legend Colors

Black or White

Standard Background Colors

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

Thickness (ASTM D 1593)

Total 0.005 in. (0.125mm).

Gloss

60 Gardner Units.

Adhesive Properties

Adhesion to steel (PSTC-1)

15 min. dwell (Avg)—75 oz/in. (82 N/100 mm)

Ultimate (72 hrs. dwell) (Avg)—116 oz/in. (127 N/100 mm)

Tack (ASTM-2979) (Avg)—800g (8 N)

Drop Shear (PSTC-7) (Avg)—4 Hrs

Abrasion Resistance

CS-17 Wheels, 1000 g. wts.

(Method 5306 of U.S. Federal Test Method Std. No. 191A)

Legend withstands up to 700 cycles. Substrate withstands up to 8000 cycles.

Standard Sizes/Dimensions

Marker Size	Fits Pipe Outer Diameter	Length Color Field	Letter Height
8SM	3/4" - 1-3/8" (19mm - 35mm)	8" (203mm)	1/2" (13mm)
8LG	1-1/2" - 2-3/8" (38mm - 60mm)	8" (203mm)	3/4" (19mm)
12	2-1/4" - 7-7/8" (64mm - 98mm)	12" (305mm)	1-1/4" (32mm)
24	8" - 10" (203mm - 254mm)	24" (610mm)	2-1/2" (64mm)
32	over 10" (over 254mm)	32" (813mm)	3-1/2" (89mm)



- Highly visible color-coded labels make it easy to differentiate between pipe systems
- The markers engineers most commonly specify
- Opticode™ Pipe Markers can be used with Arrows-on-a-Roll™ Tape or separate Directional Arrow Markers to indicate flow direction

3 Types of Pipe Marker Installation



Date: ___ / ___ / ___ Job: _____

Contractor: _____

Product Data Sheet

Opti-Code™ Pipe Markers (continued)

Service Temperature

-40°F to 180°F (-40°C to 82°C).

Average Outdoor Durability

5 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	F	NE	NE
10% HCL	NE	NE	NE
50% NaOH	F	NE	NE
10% NaOH	F	NE	NE
Gasoline	F	NE	F
Turpentine	F	NE	F
Glacial Acetic Acid	F	NE	F
5% Acetic Acid	NE	NE	NE
Cellosolve Acetate	F	F	F
Conc. Ammonia	NE	NE	NE
10% Ammonia	NE	NE	NE
Methyl Ethyl Ketone	F	F	F
Acetone	F	F	F
Methanol	F	NE	F
1,1,1, Trichloroethane	F	F	F
IPA (Isopropanol)	F	NE	F
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Mineral Spirits	F	NE	NE
Diesel Fuel	F	NE	F
Heptane	F	NE	F
Toluene	F	F	F
Alconox	F	NE	NE
Kerosene	NE	NE	NE
Water	NE	NE	NE

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 one minute with swab soaked in reagent.

Shelf Life

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