



PLENUM RATED PIPE AND DUCT MARKERS

Technical Data

INTAKE AIR

RETURN AIR

SUPPLY AIR

DOMESTIC COLD WATER



Description

MSI self-adhesive plenum markers are constructed of a layer of 2 mil aluminum foil with a high tack permanent pressure sensitive adhesive that provides a superior bond to low surface energy substrates while exhibiting very high cohesive strength, heat and chemical resistance. This product meets the requirement of ASTM E 84 "Standard Method of Test for Surface Burning Characteristics of Building Materials", the NFPA 101 Life Safety Code for Class A materials and is approved for use in air handling plenums. Recommended for multiple surfaces including Polypropylene-clad insulation.

Physical and Chemical Characteristics

Base Material:	Soft Aluminum Film
Material Thickness:	.002" (.051 mm)
Service Temperature:	-50°F to 350°F (-45°C to 177°C)
Application Temperature:	+50°F (10°C)
Chemical Resistance:	Good
Water Resistance:	Excellent
Expected Outdoor Durability:	Indoor Use Only
Storage Durability:	Up to 2 Years
Abrasion Resistance:	Good
Mounting:	Adhesive Backing
Finish:	Matte Finish
Text Height:	Designed to meet ANSI & ASME Standards (See chart)
Typical Sizes:	Designed to meet ANSI & ASME Standards (See chart)
Standard Colors:	Designed to meet ANSI & ASME Standards (See chart)
Options:	Custom colors and sizes available
Chemical Table:	n/a

Pipe Marker Sizes and Letter Heights

Marker Style	Pipe Diameter	Marker Size	Arrow Size	Letter Height
A	3/4" – 2-1/4"	1" x 8"	1" x 4"	3/4"
B	2-1/2" – 7-7/8"	2-1/4" x 13"	2-1/4" x 6-1/2"	1-3/4"
C	8" – 10"	4" x 24"	4" x 12"	2-1/2"
D	Over 10"	4" x 32"	4" x 12"	3-1/2"

Duct Marker Sizes and Letter Heights

Marker Style	Marker Size	Arrow Size	Letter Height
A	1" x 8"	1" x 4"	3/4"
B	2-1/4" x 13"	2-1/4" x 6-1/2"	1-3/4"
C	4" x 24"	4" x 12"	2-1/2"
D	4" x 32"	4" x 12"	3-1/2"



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Designation of Colors (ASME A13.1-2023 & ANSI Z535-2017)

Designation of Colors — ASME A13.1-2023 & ANSI Z535-2017 Standards		
Classification	Color Scheme	
Defined Applications		
Firefighting	White text on red	Sample
Toxic or corrosive	Black text on orange	Sample
Flammable, combustible, or oxidizing	Black text on yellow	Sample
Steam; or steam condensate, boiler feedwater, or other hot water	Black text on gray	Sample
Potable, cooling, or other cold or tepid water	White text on green	Sample
Compressed air	White text on blue	Sample
Undefined Applications		
Defined by user	White text on purple	Sample
Defined by user	Black text on white	Sample
Defined by user	White text on brown	Sample
Defined by user	White text on black	Sample

Designation of Colors (ANSI/ASME A13.1-1996)

Designation of Colors — ANSI/ASME A13.1-1996 Standards		
Classification	Color Scheme	
Materials Inherently Hazardous		
Flammable or Explosive, Chemically Active or Toxic, Extreme Temperature or Pressures, Radioactive	Black text on yellow	Sample
Materials Inherently Low Hazard		
Liquid or Liquid Admixture (non-hazardous materials)	White text on green	Sample
Gas or Gaseous Admixture (non-hazardous materials)	White text on blue	Sample
Fire Quenching Materials		
Water, Foam, CO2, Halon, etc.	White text on red	Sample

Information on physical and chemical characteristics is based on tests we believe to be reliable. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material for their specific application. Updated 1/15/2024

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