BRADY
WHEN PERFORMANCE MATTERS MOST™

Technical Data Sheet

BRADY B-493 RIGID HIGH VISIBILITY SIGNS

TDS No. B-493
Effective Date: 03/26/2003

Description:

Brady B-493 is a surface printed V-shaped plastic sign.

Details:

Use:
High Visibility Fire Equipment Signs and a variety of custom markers and signs.

Substrate Type:
Plastic

Standard Material Color:
White

Standard Legend Colors:
Red, blue, green and black

Thickness (ASTM D 1593):
0.10 in. (2.54mm)

Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A):
CS-17 wheels, 250g weights
Legend withstands up to 300 cycles

Service Temperature:
-40°F to 193°F (-40°C to 90°C)

Average Outdoor Durability:
1-2 years (Average expected outdoor life of product will depend on user definition of failure and climatic conditions.)

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
Glacial Acetic Acid	F	F	NE
5% Acetic Acid	NE	NE	NE
50% Sodium Hydroxide	NE	NE	NE
10% Sodium Hydroxide	NE	NE	NE
10% Ammonia	NE	NE	NE
5% Sodium Hypochlorite	NE	NE	NE
Methyl Ethyl Ketone	F	F	F
Acetone	F	F	F
Toluene	F	F	F
1,1,1-Trichloroethane	F	F	F
Methanol	NE	NE	F
Isopropyl Alcohol	NE	NE	NE
Heptane	F	NE	NE
Mineral Spirits	F	NE	NE
Turpentine	F	F	NE
Kerosene	NE	NE	NE

Diesel Fuel	NE	NE	NE
G asoline	F	NE	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
10% Sodium Chloride	NE	NE	NE
Alconox®	NE	NE	NE
Water	NE	NE	NE

NE = No Effect
F = Failed (affected Sample)

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 1 minute with swab soaked in reagent.

Product Life:
1-2 years when stored indoors.

Trademarks:
Alconox® is a registered trademark of Alconox Co.
Signmark® is a registered trademark of Brady Worldwide, Inc.
ASTM: American Society for Testing and Materials (U.S.A.)
Fed. Spec.: United States Federal Specification (U.S.A.)
SAE: Society of Automotive Engineers (U.S.A.)

Note: All values shown are averages and should not be used for specification purposes.
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