



SPECIFICATION LEXAN J-SIGN

Scope:

This specification covers modular subsurface printed Lexan signs that can be hung from a rope.

Material:

The sign shall be constructed from yellow Lexan.

A. Base Lexan – Yellow General Electric Lexan (or equivalent polycarbonate) with a thickness of 0.125” shall be used. The Lexan or equivalent film shall have the following properties:

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>VALUE</u>
Tensile Strength (yield)	ASTM D882	9,000 psi
Tear Strength (initiation)	ASTM D1004	1,100 #/in
Flexural Deflection Temperature	ASTM D648 (@264 psi)	275F
Flammability Rating	UL94	V-2

B. Top Lexan Sheet - The top Lexan sheet shall be clear and have a thickness of 0.20.

C. Adhesive - White acrylic foam adhesive shall be used to bond the top 0.20 clear sheet to the yellow Lexan.

Peel Strength	PSTC-1	240oz/in
Shear Strength	PSTC-7 (4-psi)	>5,000 min

D. Inserts - The inserts shall be constructed from 0.20 thick yellow Lexan.

E. The right hand side of the sign and the top clear Lexan sheet shall have thumb holes that allow the user to easily remove an insert.

Printing:

The 0.125 yellow Lexan base and 0.20 yellow Lexan inserts shall be screen printed with acrylic inks. The type style shall be Helvetica regular. The printing shall be magenta on a yellow background. The rad symbol shall meet ANSI N2.1-89.





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Ultraviolet Degradation:

Manufacturer is to warrant a "Five year life against fading" of the sign. Manufacturer's name is to be listed at bottom of sign.

Grommets:

Each corner of the sign shall have a brass grommet with an inside diameter of 5/16".

J-Slot for Rope:

The top of the sign shall have slots that allow the sign to hang from a rope. Tie wraps or nylon fasteners shall not be used.

Sign Dimensions:

The sign shall have the following dimensions

	<u>Height</u>	<u>Width</u>
Small Sign	12.0"	8.00"
Large Sign	16.25"	8.00"
Insert	1.68"	8.00"

Standard:

Signs shall meet Underwriters Laboratories standard 10B which covers the fire test of door assemblies dated May, 1986

Ordering Information:

GS1000 8" x 12"	J-Sign – 3 Pocket
GS1001 8" x 16"	J-Sign – 5 Pocket

