



Your Neon Source

Standard and Blended Gas Mixtures

EGL standard and blended gas mixtures are shipped in hard or soft glass flasks in Jumbo (2.65 liter) and Regular (.9 liter) sizes as shown to the right. All gases are bottled in a completely new rare gas plant, using state-of-the-art apparatus and techniques. *Also available is a complete gas transfer system for use with 25, 50 or 100 liter EGL disposable gas tanks.*



Available in standard gas types (see table)

Also available upon request:

EGL Helium, EGL Krypton, and EGL Xenon

GAS TYPE	CHARACTERISTICS
EGL NEON	Excellent for clear red units, or for coated tubing.
EGL ARGON	For low-voltage fluorescent tubes and fluorescent lamps. Mercury required. Not recommended for outdoor use.
EGL BLUE	(Replaces #1050) EGL's standard mixture for warmer climates -- used in clear or fluorescent-coated tubing with added mercury.
EGL K4 COLD WEATHER GAS	The best for all-weather applications, from below-zero regions to the tropics. The high percentage of Ne in K4 provides the heat necessary to completely vaporize mercury under cold weather conditions. Mercury required. Proven 14 to 49% brighter than competitive cold weather gases by independent laboratory.
EGL FLUSHING HELIUM	The finest and safest gas for preliminary bombarding, or for flushing-out repair units.

Contact Midwest for MSDS and technical data sheets

Selection... Versatility... Service...



midwest
sign & screen printing supply co.

Solutions!



Committed to Serving You, Midwest Offers...

- ➔ The Highest Quality Equipment & Supplies.
- ➔ Trained Sales Staff to Help Your Business Succeed.
- ➔ Excellent Educational Seminars and Hands-on Workshops.
- ➔ Active Involvement in Local Sign Associations & Industry Groups.





EGL has introduced more new glass colors in the last 10 years than any other source—stunning, saturated colors that give your neon a brilliant, fresh look. Choose from coated lead glass colors, including tri-phosphors and the world's brightest whites, and coated or uncoated machine-drawn Accuwall colored glass.

Accuwall

Accuwall tubing's consistent wall thickness, consistent outside diameter and uniform color make it predictable in every way – far superior to any other colored glass tubing you have ever used. You can bend and process the sturdiest and most vivid signage your customers have ever seen in far less time with far less breakage. *Accuwall tubes are available uncoated, or coated with EGL's own rare earth phosphors. All have fire-polished ends. Available in standard four-foot lengths of 10, 12, and 15 mm with other diameters available on special order.*



	Coated Emerald Green/Ar		P-73 Noviol Goal Ar
	Apple Green/Ar		E-60 Casino Gold/Ar
	Coated Aquamarine/Ar		S-81 Noviol Gold/Ar
	Coated Bromo Blue/Ar		E-50 Noviol Gold/Ar
	Coated Ruby Red/Ar		Bromo Purple/Ar
	Coated Orange/AR		Royal Purple/Ar
	Tangerine/Ar		

Colors are printed representations and may not match the actual product colors.

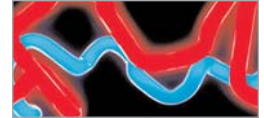
C.L. Designer Series® Whites

EGL C.L. Designer Series white tubing uses a blend of three rare-earth narrow band phosphors (red, blue, and green) to improve color rendition, color preference, and achieve higher output. This line of tubing will give you and your customers more design options for illuminating the needs of retailers and merchandisers around the world. Ideal for channel letters. *Available in four Series: 41, 65, 71 and 83 in 10, 12, 13, and 15 mm diameters.*

Signmate™ Fluorescent Coated Tubing

These tubes are con-air coated for brilliance and uniformity as well as double etched. *Available in 8-18 mm diameters.*

Signmate™ II Double-Coated 4-Foot Lead Glass



Double-coated tubing is perfect for borders. However, tight bends may “wash-out”. *All 4' tubing 15mm or smaller is packed in 25 lb. boxes; 18mm in 20 lb. boxes.*

EGL Color		Color with AR/Merc	Color with Neon
	Tropic Yellow	Golden Yellow	Orange
	Neo Blue II	Deep Blue	Mauve
	Clear Gold	Golden Yellow	Tangerine
	VP Green	Bright Green	Amber Orange
	Clear Brite Yellow	Bright Yellow	Orange

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Signmate™ Single-Coated 4-Foot Neon Tubing

Single-coated with proprietary phosphors to produce the world's most popular whites and colors. *All tubing 15mm or smaller is packed in 25lb. boxes; 18mm in 20lb. boxes.*

EGL Color		Color with AR/Merc	Color with Neon
	Green E10	Green	Amber
	Turquoise E20	Bluish Turquoise	Peach Pink
	Aqua E21	Turquoise	Peach
	Turquoise E12	Greenish Turquoise	Peach
	Blue E40	Blue	Rose

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Also available upon request:

- 8300 Bright White
- E65 Daylight
- 6500 HO
- E30 Snowwhite
- 6500 Snowwhite
- Omniwhite
- E66 Britewhite
- 4500 White
- V4500 White
- 3500 White
- V3500 White
- Warm White
- H37 Pink





FMS has been a leading producer of fluorescent coated sign tubing since the mid- 1940's. They have spent the past half century developing a reputation as a reliable manufacturer of quality products that perform well in a wide variety of sign and lighting applications.

Brillite

These double coated tubes have been coated twice to yield their unique and vibrant colors. They perform best in gentle curves and straight sections. Due to the fragile nature of the pigment coating, double coat tubes are not recommended for use in tight bends. Designed for use with argon/mercury fill gas, the color of some double-coated tubes may vary slightly when neon fill gas is used. Call for a sample piece to determine whether a certain double-coated tube will work well in your application. Available in 8mm-20mm diameters.

	BL2800 TC White		BL49 Magenta
	BL3000 HO White		BL50 Ice Blue
	BL3500 HO White		BL51 Rich Blue
	BL4500 HO White		BL52 Halo Blue
	BL6500 HO White		BL53 Pink
	FMS 6500 Snow White		BL54 Turquoise (Peach-Neon)
	FMS 8300 Brite White		BL55 Blue (Rose-Neon)
	BL32 Aquamarine		BL56 Argon Pink
	BL33 Green (Amber-Neon)		BL57 Halo Turquoise
	BL34 Mint Green		BL58 Lavender
	BL46 Pink White		BL59 Purple
	BL48 Imperial Purple		BL80 Neon Red (Neon Fill)

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Double Coat Colors

	BL35 Vine Green		BL73 Deep Aqua
	BL60 Sun Yellow		BL77 Royal Blue
	BL62 Clear Gold II		

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ColorBrite

Start with the world's finest colored glass sign tubing and then apply high performance phosphor coatings under stringent process control. The result is a colored glass sign tubing that emits the deepest, richest, most saturated colors imaginable. All ColorBrite tubing is machine drawn and then subject to extensive finishing operations prior to coating. Glass finishing operations include straightening, annealing, and fire polishing tube ends. *ColorBrite tubes come in four foot lengths and are available in 8mm to 20mm diameters.*

	BL92 Emerald Green		BL96 Noviol Gold
	BL93 Apple Green		BL97 Sunset Gold
	BL94 Bromo Blue		BL98 Ruby Red
	BL95 Grape		

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Stazon Blockout Paint

Stazon Blockout Paint is generally used on fluorescent sign tubing where portions of the tubing are to be "blocked out" and thus not show as being illuminated. Features quick drying, one-coat coverage, and dries to a sharp edge with now blistering or cracking. Stazon is heat-resistant, non-conductive, waterproof and re-dissolvable. Stazon Blockout is non flammable (flash point 170 degrees F) and does not contain any ozone depleting materials. Available in *Black, Gray, Medium Gray, Light Gray, and White.*

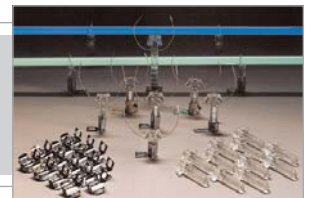


Stazon Blockout is also available in an environmentally-friendly, water-based formula. It features the opacity, adherence, coverage, and ease-of-use you'd expect from the makers of the world's favorite solvent-based blockout paint.



Contact Midwest for MSDS
and technical data sheets

Midwest offers a wide
selection of tube supports
starting on page 18.





Neon Tubing

Voltarc offers the broadest selection of tubing color and the most whites. Tubing is available in your choice of diameter, in single or double coated clear glass. The expansive catalog of tubing options enables you to design neon signs and sculpture in a variety of colors, from pastels to deep, rich shades. Custom-tailored phosphor blends are supplied on special order. Available in 8mm to 20mm diameters.



Single-Coat Colors

	3000 Warm White		Lavender
	3500 White		Mercury Rose
	4500 White		Paradise Pink
	6500 Snow White		Pink White
	8300 Bright White		Purple
	Aquamarine		Sparkling Blue
	Blue		Turquoise
	Green		Ultra Blue

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Double-Coat Colors

	Clear Gold II		Clear Brite Yellow
	NeoBlue		Majestic Gold
	NeoRuby		Majestic Orange
	Veep Green		Teal

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Clear Glass Tubing

Key properties of these clear glass tubes include softening point; anneal point and expansion, controlled within specific tolerances to insure compatible sealing glass. Available in standard length drawn tubing between 0.200" and 1.000" in diameter is normal trimmed and glazed to 48" ± 1/8". Available in 5 to 25 mm diameters.



Neon Tubing

Midwest offers coated color tubes from TecnoLux to enhance your neon signage. Available in 6 mm and 8-22 mm.

Standard colors include:

	118 Ruby Red Neon		38 Aquamarine
	18 Ruby Red Argon		38U Aquamarine Uncoated
	16 Cobalt Blue		17 Novial Gold
	22 Purple		26 Citrus Orange
	35 Emerald Green		19 Black Light

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Also available from TecnoLux is their UltraClean™ Whites. These 59" coated glass tubing is ultrasonically cleaned and sealed.

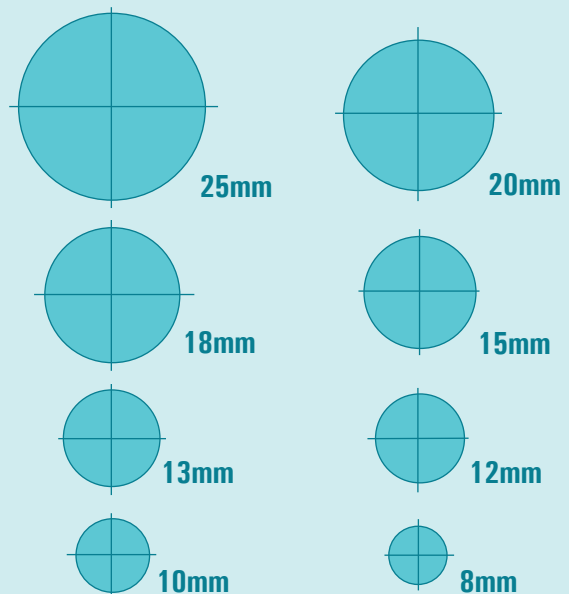
Available in two versions:

6500 White #1 in 7-9 mm and 10-18 mm

6500 White #2 in 7-9 mm and 10-18 mm

Glass Tubing Size Chart

To measure glass tubing, place end of glass tube over the teal circle that corresponds to the outside diameter of the glass tube. Remember that glass is fragile and extra care should be taken in storage and handling. Measurements in millimeters.





Sign Products Division

Tube Supports

All FMS tube supports are constructed of the highest grade materials for consistent quality, minimum installation time, and years of trouble-free service. They are available in several glass sizes and a variety of base styles along with extension posts and cut-off options to allow you to choose the right support for the job.



Model 10T3 Tube Support

This support features a 10mm diameter threaded glass stand which is 1 3/4" from center of saddle to end of stem. Its two piece spring temper brass base features two locking notches to hold the glass more securely than conventional one piece bases. UL and cUL listed. *Also available in Short (1.25") and Long (2.5").*



Model 52 Tube Support

This economical tube support features a one piece base in either aluminum or brass. The threaded glass stand is 10mm in diameter and measures 1 3/4" from center of saddle to end of stem. UL and cUL listed.



Model 835 Tube Support

The Model 835 tube support is designed for applications where more space is desired or necessary between the fluorescent tube and the sign face. The glass stand is 3.5" long with cut-off notches every quarter inch starting at 2". The 835 features a two piece zinc plated spring temper brass base. *In addition to their standard size, Model 835 tube supports are also stocked at a length of 2.5".* UL and cUL listed.



Model 30 Tube Support

Features a coil spring base made from either stainless steel or zinc-plated spring temper brass wire. The glass stand twists into the spring coil easily, but won't pull out when the tube is attached. Model 30 is particularly effective when used on fluorescent tubing that is installed and then subject to vibration in shipping, high winds or other similar conditions. *10mm diameter, 1.75" from center of saddle to end of stem.*



Model 500 Tube Support

For installations that benefit from increased glass height such as deep channel letters, the Model 500 provides 5.25" of clearance from the mounting surface. UL listed. *Available with brass or aluminum base, assembled or unassembled, with tie-wires or without.*



SnapLock Plastic Tube Supports

These spring-loaded plastic clips firmly grip neon tubes without the use of tie wire. Upon installation SnapLocks become nearly invisible to minimize visual clutter and give your signs a clean look. UL listed. *All units are 1.75" high.*



Aluminum Extension Posts

For special applications which require further distance between the fluorescent tube and the sign face, try this aluminum extension post. Sturdy construction and neat appearance with cut-off notches from 2.5" to 5.5" make it useful in many situations. *(Tube support not included.)*



Slipstick High Tension Cable Bushing

Commonly used as thru-wall insulation for high tension cables this heavy-wall Slipstick glass measures 4.5" long with an outside diameter of 19mm. A one-way spring steel clip slips easily into adjustment and won't back off.



Check out our full line of coated sign tubing starting on page 13.

