



A remarkable synthetic seating support that allows you to get rid of clips, wires, pads, noise and roll - over, cuts down on material costs, space, and inventories, and reduces labor by over 70%. It gives your customer a better value because your seats are more comfortable and will maintain the same resiliency after many years of use.

SYTEX is available just in time, with immediate technical assistance to help you customize your application and optimize the comfort of your seating.

Made in the USA; Patent pending.



A Loggott & Platt COMPANY
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The **SYTEX** group of seating support systems, developed and manufactured in the U.S.A. by **Matrex**, is based on the unique elastomeric properties of a high strength polyester monofilament. This material has enabled us to create a new webbing product with outstanding features:

- **SYTEX** is a 100% synthetic product. It exhibits improved heat aging properties, outstanding resistance to ozone, and will not sag after years of use. In fact, it will outlast metal spring seats.
- **SYTEX** is unaffected by fungus, urine, mildew, and household cleaners.
- **SYTEX** is easy and safe to apply, and reduces frame stress.
- **SYTEX** offers better comfort and can be adjusted easily to obtain a firm seat or a deep plush ride.
- **SYTEX** seating support systems surpass the requirements of all government and business technical specifications, including **FNE 83-258-B** and **BIFMA**.
- **SYTEX** is more economical than conventional webbings.

Material Specifications:

Material	100% Polyester
Ends per Inch	14
Picks per inch	30
Tensile Strength	200 lbs. per inch width minimum
Elongation at Break	>100%
Creep	<04%

Application:

SYTEX I

Applied Elongation: 16-22%
Recommended Use: Very soft, deep ride

SYTEX II

Applied Elongation: 12-16%
Recommended Use: Medium seats; Average seating grade.

SYTEX III

Applied Elongation: 3-5%
Recommended Use: Extra firm, institutional seating.

- **SYTEX** may be applied using conventional means. We recommend 1/2" staples applied at 45 degree angles, 3 staples per inch. Due to the low elongation requirement of the product, it is simple to apply by hand. However, a machine may be used if set to the proper required elongation.
- **SYTEX** may be sewn into sleeves to obtain metal frame support. **Matrex** also offers a variety of clips and metal hooks.

Tests:

Matrex has performed numerous fatigue tests on **SYTEX** seats. The results obtained indicate excellent fatigue and aging resistance:

Test Conditions:

26" x 26" seat area
150 Lb. drop from 2" height
20 cycles/minute
Ozone Exposure: 3ppm 72 hrs.
at 104° F
Heat Aging: 210° F for 96 hrs.

Test Results:

<u># cycles</u>	<u>% of load bearing loss</u>
100,000	2.6%
250,000	3.2%
Heat aged and an additional 100,000	3.7%
Ozone Exp. and an additional 100,000	4.6%

- **SYTEX** complies with **UFAC - Class 1**, **NFPA 260A - Class 1**, and **California 117** flammability requirements.



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