

Sytex[™]
Synthetic Seating Support Textiles



70%
labor cost reduction

A remarkable synthetic seating support that allows you to get rid of clips, wires, pads, noise and rollover; 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.

Sytex[™]
Synthetic Seating Support Textiles



**Matrex**[®]

A DIVISION OF *Leggett & Platt*. COMPONENTS COMPANY, INC.

911 Northridge St.
P.O. Box 444
Greensboro, NC 27402
Phone: 336-379-7777 • Fax: 336-379-7774

Matrex.net

© 2019 Leggett & Platt Incorporated • 24855_04-19

**Matrex**[®]

A DIVISION OF *Leggett & Platt*. COMPONENTS COMPANY, INC.

Matrex.net



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™ 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: 8-10%
 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 hours at 104° F
- Heat aging: 210° F for 96 hours

TEST RESULTS

# cycles	% of load-bearing loss
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
 Synthetic Seating Support Textiles

UFAC Class 1,
 NFPO 260A Class 1