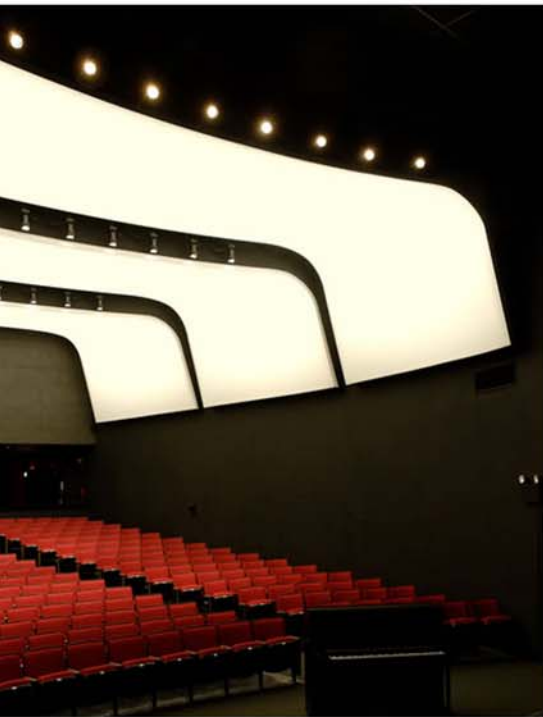


# FUTIMIS SYSTEMS

Stretch Membrane System



NewLight is the ideal system for backlit applications utilizing either natural or artificial lighting. Membranes can be installed as a single-layered or double-layered system to maximize light diffusion. NewLight can also be combined with any of our perforated membranes for a unique visual effect.

Available in various colors and light transmissions, NewLight allows you to tailor your lighting to fit any application's requirements while still offering all the advantages of a stretch ceiling system. Colors include soft pastels, white glows and bright lights.

Whether in panel or monolithic form, the NewLight membrane can be microperforated to combine lighting and sound control into one product. This exclusive combination allows for considerable time and cost savings.

### **TECHNICAL INFORMATION**

**Light Transmission:** T7 Clear (98.1%), T5 Grey (34.9%), Other Colors (61.22% to 91.8%)

**Colors:** Translucent membranes are available in (7) colors plus Clear. Standard membranes are available in over 100 colors and finishes.

**Material:** Flexible, calendared, polyvinylchloride. High frequency welded, (as required) and surrounded by a semi-rigid, extruded, PVC harpoon for installation. Custom fabricated to the exact requirements of each installation.

**Sizes/Stability:** Unfabricated membrane rolls range from 54" to 84" wide. Fabricated panels have a maximum size of 250 sq. ft. to 1200 sq. ft. depending on the material chosen. Translucent membranes (after fabrication) are generally available up to 1200 sq. ft. Dimensionally stable from -15°F to 150°F.

**Weight/Thickness:** Membranes range from 0.59 ounces to 1.05 ounces per square foot and vary from 5 mil to 8 mil in thickness.

**Tensile Strength:** 2,000 lbs per square inch to 3,200 lbs per square inch.

**Penetrations:** Added in the field as required by the site conditions and the design. All penetrations will be reinforced during the installation process.

**Acoustics:** Under ASTM C423 testing conditions Newmat stretch membrane systems obtained an NRC of .35 to 1.0 depending on the membrane(s), mounting type and acoustical backing.

**Fire Rating:** Class A/I in accordance to ASTM E84-98 with the exception of the wood finishes which have a rating of B/II. Under exposure to fire the system produced products of combustion comparable to those of wood or paper when tested in accordance with UPitt (NYS/NYC). Self ignition temperature, 842°F. Flash ignition, 770°F. Melting point, 331°F to 372°F. The membrane did not become detached when exposed to 300°F for 25 minutes.

**Warranty:** All materials and welds, 10 years