



UNIVERSAL

TEXTILE TECHNOLOGIES

BioCel™ LXF-24: Commercial Carpet Backing

When performance is critical, get the backing with more face value. In specifying carpet for extra heavy commercial traffic areas, get the backing that can make a critical difference in the carpet's ability to perform. The ultimate high-performance attached cushion backing system is BioCel LXF-24. BioCel LXF-24 is a 24 lb. density attached polyurethane cushion composite that is applied to the back of commercial carpets at the manufacturing level. Specifically engineered for use in public spaces that receive heavy foot and roller traffic, BioCel LXF-24 is designed for hospitals, airports, banks, hotels and casinos. It can be applied to all styles and constructions, including multilevel tufted graphics, wovens and Axminsters.

Appearance Retention

Its mechanically-frothed polyurethane formulation supports the face yarn construction and helps carpet retain its original appearance longer, extending the useful life of the carpet. In fact, repeated roll stool tests, simulating heavy commercial traffic, indicate that BioCel LXF-24 can add years of performance in the most demanding environments.

Comfort and Performance

With its superior dimensional stability, BioCel LXF-24 provides more comfort underfoot than unitary backings in direct glue down installations. Because the cushion is already attached to the carpet, it is faster and less troublesome to install than double glue down methods, and it outperforms carpet and separate pad in heavy traffic situations.

Technological Advantage

Advanced polyurethane backing technology, drawing on more than two decades of floor covering research, also gives BioCel LXF-24 these additional advantages over other commercial carpet backings:

1. Its unique construction is designed to maintain the dimensional integrity of the finished resisting buckling, curling, stretching or shrinking.
2. Creates the perfect substrate for releasable flooring applications, making it easier to install and remove. It also shields the cushion from adhesive saturation.
3. BioCel LXF-24 surpasses other attached backings when it comes to gauge control, a critical factor in seaming. Gauge variations previously associated with attached cushions are virtually eliminated with Universal Textile Technologies' (UTT) patented belt technology. The gauge of the backing will remain constant from side to side, end to end, and roll to roll.

4. Resist odor-causing mold and mildew, and withstands harsh wet or dry cleaning procedures.

Standard Specifications

BioCel LXF-24 is a 24 lb. density, mechanically-frothed polyurethane cushion/nonwoven composite that is applied to the back of commercial carpets at the manufacturing level. It can be applied over a pH adjusted unitary latex or polyurethane unitary pre-coat as well as an Actionbac® secondary. It is compatible with carpets in 12' widths. These standard specifications are subject to slight variations within normal manufacturing tolerances:

Foam weight: 30 oz. /sq. yd.
Thickness: .80 inch
Density: 24 lbs. or above
Compression set: 10% maximum

Typical Properties

Typical properties are derived from averages under standard manufacturing conditions and are affected by carpet fiber, weight, construction, humidity and temperature. These properties may vary within normal industry standards. Performance is not affected by such variances.

*As tested on 1/8 gauge, 32 oz. nylon level loop construction. Results will vary with carpet construction. Test values for gauge, backing weight and density are allowed +/-10%.

For additional information:

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Published 987505.04082