

# Features & Benefits

## **EPIC-18 Attached Cushion**

High-performance commercial carpets require high-performance attached polyurethane cushions. With exceptional comfort, superior dimensional stability, improved wearability, longer life cycle and unsurpassed ease-of-installation, **EPIC-18** is the best backing choice for high-performance commercial carpets.

### **PATENTED PERFORMANCE**

EPIC-18's patented advanced manufacturing processes provide chemical and mechanical bonding of the cushion system to the carpet. Tuft bind is strengthened and edge ravel is minimized. The result? A carpet that looks, wears, and lasts longer than most direct glue-down carpet installations.

### **COMFORT**

Unlike unitary backings in direct glue-down installations, EPIC-18 provides incredible comfort underfoot. Attached premium polyurethane cushioning ensures resiliency, even in areas of heavy foot and roller traffic. The advanced polyurethane technology keeps carpeting from "bottoming out", providing years of superior support. It's like having shock absorbers for your carpet.

### **DELAMINATION & WRINKLES**

The rigors of daily wear often cause commercial carpet backings to delaminate or peel away from the primary backing. EPIC-18 counteracts against this condition by chemically and mechanically bonding with carpet fibers during the manufacturing process to offer superior dimensional stability as well as improving delamination resistance. Both product options help support installation integrity in seam, edge ravel, and delamination performance.

### **WEARABILITY**

The repeated pounding of constant traffic leaves its mark on the face fibers of commercial carpets. EPIC-18's dense polyurethane cushioning provides the proper support to absorb traffic impacts. This excellent performance characteristic helps carpet retain its appearance and texture longer, minimizing early signs of wear and premature replacement even in the most demanding environments.

### **DIMENSIONAL STABILITY**

Providing added strength and stability, the EPIC-18 backing system helps prevent bowing, skewing and rippling that can occur during installation of commercial carpeting. And since carpets backed with EPIC-18 re glued directly to the floor, most installation problems are avoided.

### **MOISTURE RESISTANCE**

Spills can cause major damage if allowed to soak deep within a commercial carpet surface. A completely synthetic composite, EPIC-18 resists moisture penetration, which helps prevent odor-causing mold and mildew from developing. Not only can surface spills be cleaned up fast, but harsh wet or dry cleaning procedures do not drastically affect carpet appearance and performance.

### **REMOVAL**

The EPIC-18 attached cushion system is easier and cleaner to remove than other flooring products. It has a fine mesh linoweave scrim on the bottom to ensure ease of removal at the end of the carpet's usable life.

### **SUSTAINABILITY**

Polyurethane is more resilient than any of its competitors. It will not deteriorate through aging or become brittle and crumble and analysis shows that carpets with attached cushion will last 50% longer than conventional direct-glue down installations. In addition, EPIC-18 contains a minimum of 30% post-consumer recycled content, and this has been third party verified by SCS (Scientific Certification Systems). Lastly, Polyurethane is unequalled for indoor air quality. There are no V.O.C. issues with Polyurethane. Polyurethanes are thermoset so nothing will leach out of the polyurethane when exposed to heat.

# Description & Specifications

## EPIC System

The **EPIC System** is an 18 lb density, mechanically-frothed polyurethane cushion and scrim 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 precoat as well as an Actionbac secondary. It is compatible in 6', 12' and 13'6" widths.

### SPECIFICATIONS

Foam Weight	28 oz/y <sup>2</sup>
Scrim Weight	4.5 oz/y <sup>2</sup>
Thickness	.125 in
Density	18 lb/ft <sup>3</sup>
Compression (@ 50%)	10% maximum

### TYPICAL PROPERTIES

Tuftbind (ASTM D-1335)	minimum 5 lb
Radiant Panel	.74*
Smoke Density	231*
Non-flaming	245*
Roll Stool	30,000 cycles

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

### GENERAL INFORMATION

- EPIC-18 is designed for use in medium to heavy commercial applications.
- It is required that both factory edges be trimmed back a minimum of one inch inside the carpet to insure full thickness of the carpet backing at the seams. Trimming less than one inch will cut into the foam taper, causing uneven thickness at the seams.
- EPIC-18 should be installed with high quality multipurpose adhesives or high quality releasable adhesives. There is nothing that will leach out of the backing system to interfere with the adhesive.
- Adhesive should be spread in a thin and even manner with a 3/32 notched trowel.
- Follow the adhesive manufacturer's recommendations for open time.
- Standard surface preparation techniques must be followed, meaning all surfaces must be dry, and free of dust, grease, or wax.
- Concrete floors must be properly cured and dry. Make sure concrete is free of excess moisture on or below grade, cracks filled and smooth.
- Other surfaces such as resilient tile should be checked and patched as needed, making sure they are properly adhered.

