

## OMNI LOC™ UNITARY BACKING (UL)

Almost all carpet latex consists of a carboxylated styrene butadiene rubber (SBR) compound with large quantities of powdered diatomaceous fillers, usually being calcium carbonate. These filler loads generally range between 425 to 700 parts filler to 100 parts rubber.

Unitary latex is a single lamination of a high rubber content latex with very low filler loads (150-250 parts filler to 100 parts rubber are not uncommon). Because of this rubber enriched formula, unitary backed carpets provide superior tuft bind properties. Although style dependent, standard unitary latex will typically achieve a tuft bind measurement of 12-17 pounds (when tested in accordance to the ASTM – D1335 Standard Test Method for Tuft Bind of Pile Yarn Floor Coverings).

The Omni Loc™ Unitary (UL) backing is designed for straight stitch styles only. When applied to products made of nylon, Omni Loc™ Unitary offers a Limited Lifetime No Edge Ravel, Limited Lifetime No Delamination, and Limited Lifetime No Zipper warranty when properly installed and maintained. This backing is intended for direct glue down only using a premium grade multi-purpose carpet adhesive.

Other advantages of unitary backed carpets include:

1. Elimination of delamination problems of the carpet. Unitary latex back is an integral part of the carpet, and is not free to separate therefore, delamination is never a problem.
2. Reduces pilling and fuzzing. Bundle wrap and penetration are improved due to the use of a richer grade of latex.
3. Reduces edge ravel; superior bundle warp secures individual tufts, and reduces edge ravel when used in concert with a solvent based or multi-purpose seam sealer.

For these reasons given Omni Loc Unitary backed carpets are recommended for high-end commercial traffic loads or any environment subject to unusual traffic demands.

