

## TECHNICAL UPDATE

### Quantum Guard HP Pen

The Quantum Guard HP Pen is a quick and easy way to provide topical protection to heat welded and chemically welded seams in Mannington Commercial sheet vinyl products that have the patented high performance urethane Quantum Guard HP wearlayer. The Quantum Guard HP wearlayer is a factory applied, UV cured system that provides superior appearance retention, cleanability and durability and does not require the use of polish or wax.

The process of cutting and seaming the products interrupts this high performance wearlayer and the seamed area, regardless if it is either a chemically or heat welded seam, cannot provide the same level of cleanability and durability inherent in the factory applied finish. This is why the Quantum Guard HP Pen was developed.

Similar in appearance to a highlighter pen, the cartridge of the Quantum Guard HP Pen contains a blend of high quality acrylic floor finish and urethane coating that is easy and accurately applied. Before use shake vigorously to blend the ingredients, remove the cap, daub the felt tip marker a few times to begin the flow of the floor finish and then coat over the seam area with a **thin**, even application to provide a durable coating that resists soiling and keeps the seam area looking clean. Use care to apply the protective coating over the seam area; **do not over apply onto the Quantum Guard HP wearlayer of the sheet vinyl**. In high traffic areas it is a good practice to apply two or even three coats of finish from the Quantum Guard pen. Just be certain that the finish is thoroughly dry before applying additional coats. If the end user elects to continue the low maintenance regime of no polish for an extended time period it may be necessary to recoat the seam area if and when it begins to collect soil and grime. If the entire floor is polished then the seam area will be protected by the overall floor polish and will not require individual attention. Each Pen will cover approximately 300 lineal feet of seam.

The Quantum Guard HP Pen coating is not intended to provide additional seam strength or integrity. It is a "coating" that helps retain seam appearance initially and when in service. Cut and seal seams in the sheet product being used according to instructions found on the web at [www.mannington.com](http://www.mannington.com) go to the Commercial section and click on "technical" to find instructions on the seam cutting and heat welded procedure.

A properly cut, welded and now coated seam will provide for years of service and appearance. Be certain to have sufficient quantities of Quantum Guard HP Pens on hand for your next Mannington Commercial Sheet vinyl installation project.