

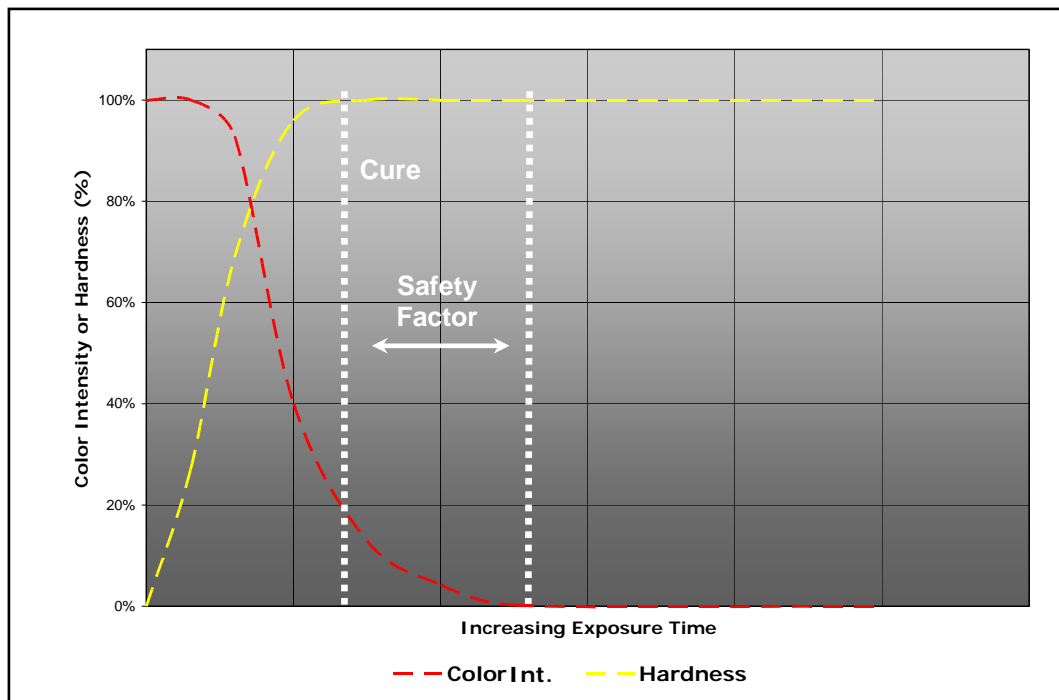
Then, when the adhesive is cured, the blue turns clear!

To absolutely ensure the relationship of visual clarity and full cure, DYMAX intentionally formulates **See-Cure** adhesives so that the color change occurs 5-15% slower than the actual adhesive cure. (As light curing adhesives often cure in fractions of a second, the added time required to complete the color transition from blue to clear is typically negligible.) This programmed delay supports good engineering and manufacturing practices which mandate that bonding processes be qualified with a reasonable period of "over-curing" as a safety factor.

To verify that **See-Cure** technology consistently serves as a reliable indicator of full cure, DYMAX performed extensive testing with a wide variety of its light curing adhesive products. The test matrix included standard adhesives with a broad range of adhesive cure speeds and cured properties. Using existing specifications from each standard adhesive as a control, the adhesives adjusted with **See-Cure** were again tested to the same specifications. All physical cured properties of the sample group remained within the measured values of the original specifications. In addition, adhesive products designated for medical device assembly were formulated with the **See-Cure** technology and tested for biocompatibility. The test results confirm that the addition of **See-Cure** technology has no affect on the biocompatibility rating of the original product.

To illustrate the concept of **See-Cure** technology, measurements of product hardness were taken during curing cycles to determine the point of full cure. These were plotted against measurements of adhesive color intensity at the same time intervals. The graph below depicts the typical relationship between the progression of adhesive cure and the diminishing color of **See-Cure** technology within the adhesive. As verified by the graphed measurements, the final color change from blue to clear occurs after adhesive curing has taken place.

See the Solution!



Request a FREE In-House Demonstration of See-Cure Technology at www.SeelItCure.com



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