



North Carolina Department of Transportation
Materials and Tests Unit – Product Evaluation Program
Innovative Technologies and Products Awareness Report
March 3rd, 2021



PRODUCT HIGHLIGHT – E-BOND 1240/1241 Marker Adhesive



Traffic Delineators placed with E-BOND 1240/1241 Epoxy (top), and Raised Pavement Markers placed with E-BOND 1240/1241 Epoxy (bottom) – images from E-BOND website

The E-BOND 1240/1241 Standard Set Marker Adhesive Epoxy is manufactured by E-BOND Epoxies, Inc. out of Fort Lauderdale, Florida. It is currently listed as under evaluation on the Approved Products List (APL) as NP20-8681. The E-BOND Standard Set Marker Adhesive Epoxy is a 100% solids, solvent-free, zero VOC, two-part epoxy structural adhesive. It is primarily designed for placement of raised and recessed traffic markers and traffic delineators. The product may be mixed by hand or used with automatic mixing/metering equipment for rapid placement of markers on highway surfaces. E-BOND 1240/1241 Epoxy has a minimum bond time with pavement of 90 minutes, and a minimum placement temperature of 50 degrees. For more information, please visit: <http://www.ebondepoxies.com/>

PRODUCT INNOVATION – CASS® S3 M10 TL-3 and TL-4



CASS® S3 M10 TL-3 and TL-4 median cable barrier system installed along a highway median - image from Trinity website

The CASS® S3 M10 TL-3 and TL-4 median cable barrier system is manufactured by Trinity Highway Products, LLC out of Dallas, Texas. It is currently listed as under evaluation on the APL as NP20-8671. The CASS® S3 M10 system redirects vehicles that would otherwise cross the roadway median. The post employs a wave-shaped slot, which works in tandem with a strategically positioned, widened cable spread designed to help restrain various types of vehicles that impact it. The system consists of four ¾ inch steel cables and steel posts spaced 10.5 feet apart that can be used with various anchoring systems. The CASS® S3 M10 median cable barrier system is MASH 2009 TL-3 and TL-4 crash test compliant (2009 Manual for Assessing Safety Hardware). For more information, please visit: <https://trinityhighway.com/product/cass-s3-m10/>