



North Carolina Department of Transportation
 Materials and Tests Unit – Product Evaluation Program
 Innovative Technologies and Products Awareness Report
 August 4th, 2021

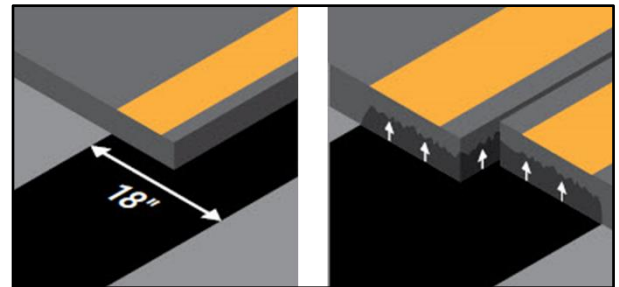


PRODUCT HIGHLIGHT – J-Band



J-Band Longitudinal Joint Sealer being applied – image from Asphalt Materials, Inc. brochure

J-Band is manufactured by Asphalt Materials, Inc. out of Martinsburg, West Virginia. It is currently listed on the Approved Products List (APL) as NP21-8858 and has been approved for a Field Trial. J-Band is a longitudinal joint sealer applied under the longitudinal joint in new asphalt placements and migrates upward as the hot-mix asphalt is installed on top of it. J-Band will reduce air voids at the joint, which will ultimately extend the life of the joint and subsequently the life of the pavement. The application of J-Band will reduce the possibility of water/air intrusion at the joint, and it stabilizes the unconfined edge which will extend pavement life by several years. For more information, please visit: <https://www.thejointsolution.com>



Infographic of J-Band applied underneath new asphalt layer (left), and Infographic of J-Band penetrating upward in the newly applied asphalt layers (right) – images from Asphalt Materials, Inc. brochure

PRODUCT INNOVATION – Acrylite Soundstop MASH TL-4 Noise Barrier System



Test section of Acrylite Soundstop MASH TL-4 Noise Barrier System – image from Durisol testing information sheet

The Acrylite Soundstop MASH TL-4 Structure Mounted Noise Barrier System is assembled by Durisol out of Rural Hall, North Carolina. It is currently under evaluation and listed on the APL as NP21-8859. The Acrylite Soundstop MASH TL-4 Structure Mounted Noise Barrier System has been crash-tested and is certified MASH-2016 (Manual for Assessing Safety Hardware) Test Level 4 (TL-4) compliant (TL-4 equates to a 22,000 pound truck impact at speeds of up to 56 mph). The system can be mounted to any concrete rail that has been certified TL-4 level or higher. The system is lightweight, transparent, and includes thin black striping to reduce bird encounters. The panels are 10 feet wide by 8 feet tall and are available in either clear or various solid colors. For more information, please visit: <https://www.durisol.com/our-solutions/noise-walls>