



North Carolina Department of Transportation  
Materials and Tests Unit – Product Evaluation Program  
Innovative Technologies and Products Awareness Report  
February 3<sup>rd</sup>, 2021



## PRODUCT HIGHLIGHT – Eco-Flex<sup>®</sup> HD Eco-Wall



*Cross-section view of an Eco-Flex<sup>®</sup> HD Eco-Wall panel (top), and a completed HD Eco-Wall installation (bottom) – images from Eco-Flex<sup>®</sup> website*

The Eco-Flex<sup>®</sup> HD Eco-Wall is manufactured by Eco-Flex<sup>®</sup> Recycled Rubber Solutions near Edmonton, Alberta, Canada. It is currently listed as under evaluation on the Approved Products List (APL) as NP20-8667. The Eco-Flex<sup>®</sup> HD Eco-Wall is a sound/noise wall that is made of recycled tire rubber, glue, and dye. The product panels are produced in either an eight or 10-foot length segments that are two feet high and three inches thick. The panels are compression molded from recycled tire crumb rubber with a solid fir plank for backing. The panels can easily be staked atop one another to achieve the desired wall height. Each panel is lightweight, produced in five different colors, and has a Sound Transmission Class (STC) rating of 29. For more information, please visit:

[www.eco-flex.com/product/hd-eco-wall/](http://www.eco-flex.com/product/hd-eco-wall/)

## PRODUCT INNOVATION – Grizzly<sup>®</sup> Rumble Grate<sup>®</sup>



*Installed Grizzly<sup>®</sup> Rumble Grate<sup>®</sup> (top), close-up view of Grizzly<sup>®</sup> Rumble Grate<sup>®</sup> bars and dead-fall space beneath them (bottom) – images from Rumble Grate<sup>®</sup> LLC. website*

The Grizzly<sup>®</sup> Rumble Grate<sup>®</sup> is manufactured by Rumble Grate<sup>®</sup> LLC. out of Tempe, Arizona. It is currently listed as under evaluation on the APL as NP20-8685. The Grizzly<sup>®</sup> Rumble Grate<sup>®</sup> is a track-out control device used to limit the amount of debris (soil/small stones) that are tracked onto a roadway from an active construction site. The grates are manufactured in two sizes: 8 ft. x 10 ft. and 8 ft. by 20 ft. Each grate has steel bars positioned at alternating elevations and consistently spaced to appropriately shake debris off vehicles. The device is typically setup with three sections together to form a continuous track that provides a track-out debris removal efficiency of up to 85%. For more information, please visit: <https://trackoutcontrol.com/>