



Durisol®

DURISOL.COM

ALUMINUM MASH TL-4 CRASH-TESTED NOISE BARRIER PRODUCT GUIDE

INTRODUCING THE DURISOL® ALUMINUM MASH TL-4 CRASH-TESTED
NOISE BARRIER SYSTEM

TL-4 IMPACT LOADS

PANEL RETENTION SYSTEM

MODULAR & LIGHTWEIGHT

NOISE ABSORPTION

Major roadways and highways are being built alongside urban areas. Space constraints on road and bridge designs have led to the need for a combined bridge safety and noise barrier in one.

Durisol® has completed MASH (Manual for Assessing Safety Hardware) crash testing to ensure our barrier systems hold up in real-world.

As dictated by AASHTO (the American Association of State Highway and Transportation Officials), the impact speed and angle of the crash-test represent the worst practical conditions.

Our Aluminum noise barrier system has been tested and has successfully met the TL-4 criteria of 80 kips.

AASHTO MASH TL-4 CRITERIA

Criteria	AASHTO MASH
Vehicle	10,206 kg (22,500 lb) Box Truck
Speed	93 km/h (58 mph)
Impact Angle	15°
Test No.	4-12



DURISOL® MASH TL-4 CRASH-TESTED ALUMINUM SYSTEM

The Durisol® MASH TL-4 Aluminum System is a light-weight, structure-mounted noise barrier system. Built with perforations and a sound absorbing mineral wool interior, our panels are available in single or doubled-sided absorptive, and noise reflective options.

UNIT WEIGHT

8 - 12 lbs / square foot (3.63 - 5.44 kg / square meter)

POST DESIGN

W-6 (W150) structure-mounted post

MAXIMUM POST WIDTH

10' (3,048mm)

TESTED HEIGHT

17' (5.18m)

APPLICATIONS

While our Aluminum noise wall system is well-suited for a variety of applications, our MASH TL-4 crash-tested system was designed as a structure-mounted system for safer bridges.



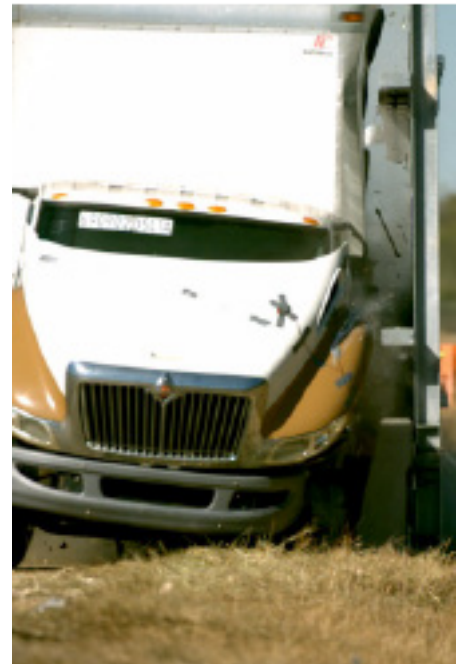
**MANUAL FOR ACCESSING SAFETY HARDWARE (MASH) TEST LEVEL 4,
TEXAS A&M TRANSPORTATION INSTITUTE PROVING GROUND, COLLEGE STATION, TX**



A 22,500 LBS (10,206 KG) TRUCK IMPACTS THE MASH TL-4 SYSTEM AT 58MPH ON A 15° ANGLE

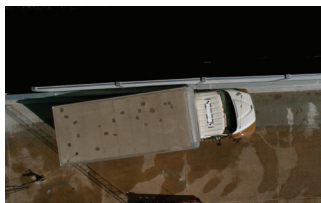


THE DURISOL®-ALUMINUM MASH TL-4 SYSTEM STABILIZES THE VEHICLE AFTER IMPACT

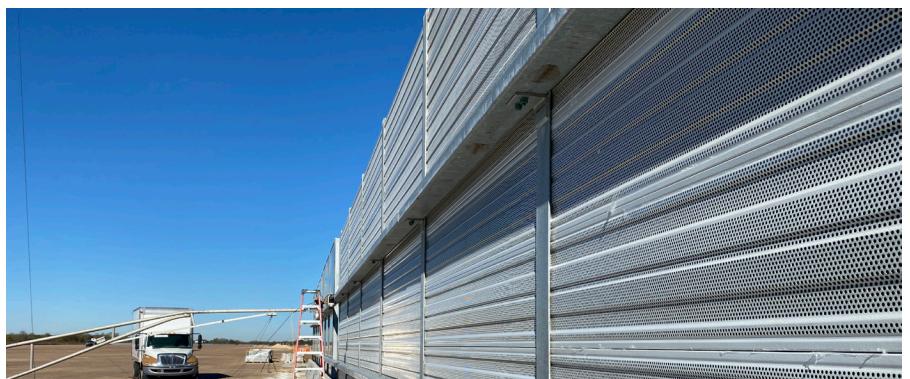


DAMAGED AREAS SHOW HOW THE DURISOL®-ALUMINUM MASH TL-4 SYSTEM REDUCES THE SEVERITY OF THE CRASH

MASH 4-12 SEQUENTIALS



Despite the severity of the impact, the **Durisol® MASH TL-4 Aluminum Noise Barrier System** provided excellent vehicle stability. The wall panels remained intact, and minimal damage was recorded.



Drawings and product details are for information and/or illustrative purposes only, and may vary.
Please contact your local Durisol representative for the most current product information.



Durisol® is the market leader in the noise barrier wall industry. We manufacture and supply a series of unique panel and post wall systems – including our Durisol® precast sound absorption panels and transparent ACRYLITE® Soundstop sheets, as well as narrow footprint retaining walls and fire-rated barriers. Our first noise barriers were installed in Canada in 1977 and in the US in 1986 and are all still in service today. With over 40+ million square feet of wall installed to date, Durisol® noise barriers stop the noise of industrial warehouses, utility enclosure sites and urban infrastructure of all kinds right across North America.

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