Memtech Acoustics

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# ACRYLITE® SOUNDSTOP MASH TL-4 NOISE BARRIER SYSTEM PRODUCT GUIDE

## LIGHTWEIGHT, CRASH TESTED NOISE BARRIER SYSTEM FOR BRIDGES AND ELEVATED ROADWAY APPLICATIONS



- TRANSPARENT NOISE BARRIER
- LIGHTWEIGHT
- ATTRACTIVE
- CRASH TESTED TO MASH TL-4 CRITERIA

Memtech Acoustics supplies noise barrier and retaining wall systems that serve the needs of the transportation, building and energy sectors.

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

The ACRYLITE® Soundstop MASH TL-4 Noise Barrier System is a lightweight noise barrier system for bridges and elevated roadway applications. The system has been successfully tested under MASH Test Level 4 conditions, and proven to stabilize a vehicle and reduce the severity of auto crashes.

The system is a complete turnkey solution for transparent noise barriers, vandal shields or wind screens on bridges and overpasses. These “no maintenance panels” will retain clarity and physical strength despite decades of exposure to sunlight and other elements (ASTM D 1003 & E 1996 test methods). Components meet or exceed FHWA and DOT standards.

### Crash Tested

Meets MASH TL-4 test conditions

### Lightweight

As little as 100lbs per linear foot

### Attractive

Panels are available as clear or colored panels

### Performance

Excellent sound insulating properties

## TYPICAL APPLICATIONS

- Bridges and structures



The **ACRYLITE® Soundstop MASH TL-4 Noise Barrier System** is crash-tested and contains polyamide filaments for fragment retention.

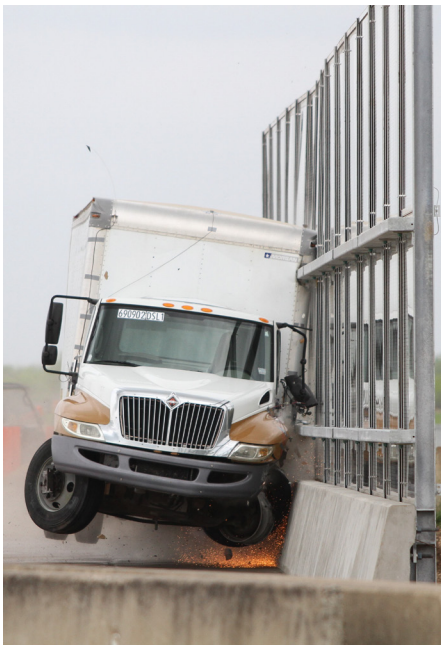




## MANUAL FOR ACCESSING SAFETY HARDWARE (MASH) TEST LEVEL 4, TEXAS A&M TRANSPORTATION INSTITUTE PROVING GROUND, COLLEGE STATION, TX



A 22,180LBS (10,060KG) TRUCK IMPACTS THE MASH TL-4 SYSTEM AT 58MPH ON A 15°ANGLE



THE MASH TL-4 SYSTEM STABILIZES THE VEHICLE AFTER IMPACT




DAMAGED AREAS SHOW HOW THE SYSTEM REDUCES THE SEVERITY OF THE CRASH




MASH 4-12 SEQUENTIALS




MASH 4-11 SEQUENTIALS

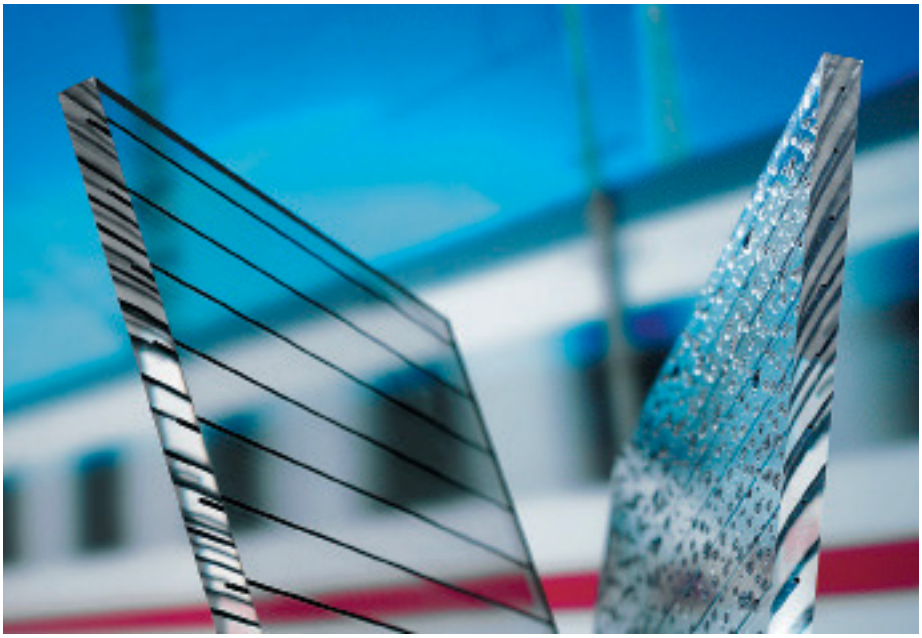



MASH 4-10 SEQUENTIALS

## CRASH TEST CREDIT

The crash test was conducted on the Durisol-Acrylite Soundstop MASH TL-4 Noise Barrier System, as named in the test report. Memtech Acoustics supplies this system.

The panel has embedded polyamide filaments to contain broken fragments resulting from collision damage (complies with EN 1794-2)



TRANSPARENT PANEL

## AVAILABLE COLORS

The transparent panel sheet for the ACRYLITE® Soundstop MASH TL-4 System is available in the following standard colors.

The color impression remains the same in different thicknesses. Other colors can be manufactured upon request.

- CLEAR
- MIDNIGHT BLUE
- STEEL BLUE
- SKY BLUE
- FOREST GREEN
- SEA GREEN
- SPRING GREEN
- SMOKY BROWN



## AVAILABLE THICKNESSES

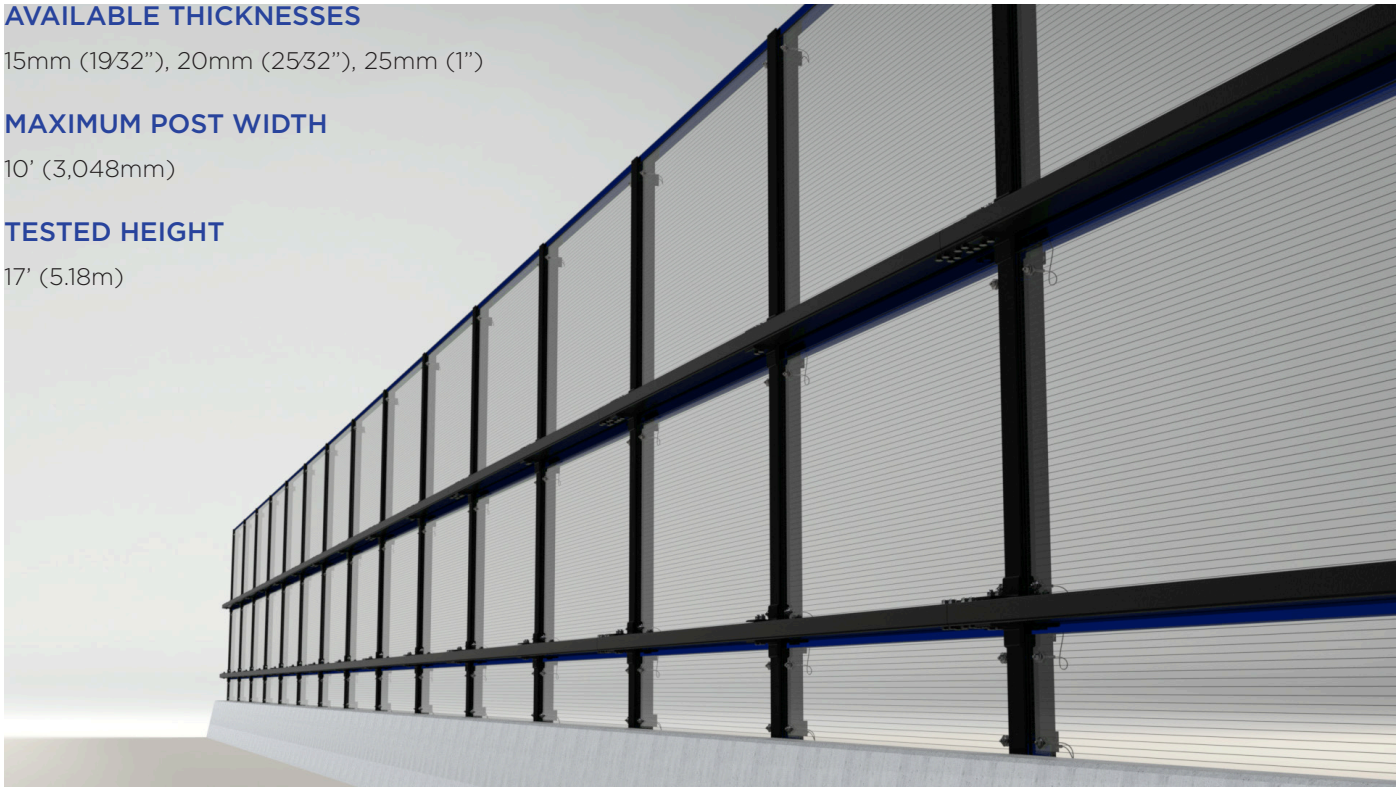
15mm (19⁄32”), 20mm (25⁄32”), 25mm (1”)

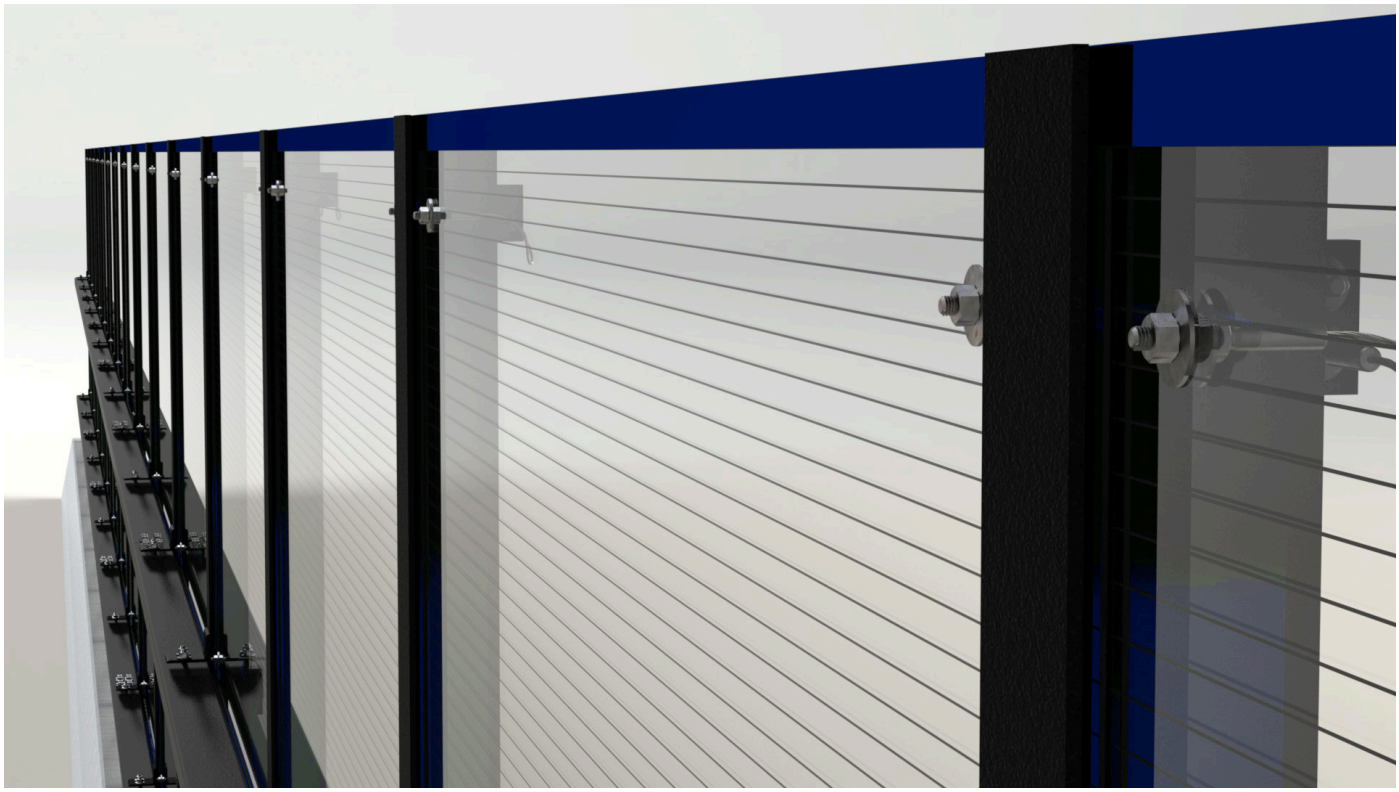
## MAXIMUM POST WIDTH

10’ (3,048mm)

## TESTED HEIGHT

17’ (5.18m)





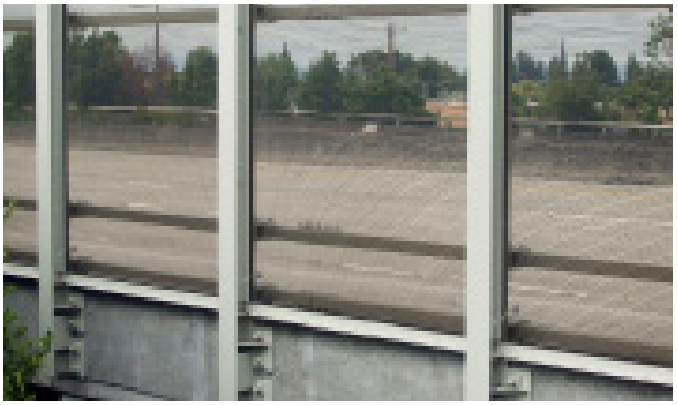
## INSTALLATIONS

The photos on this page and the next show installations of the crash-tested system on bridges and elevated roadways.


















Metro







