



MASH TrafFix Water-Wall TL-2

**TrafFix
Devices Inc.**



SHEET NO.

1 OF 2

DATE:

9/28/16

INTENDED USE

The MASH Water Wall TL-2 is a longitudinal barrier designed to contain, redirect, and shield vehicles from roadside obstacles while providing positive protection and separation between the traveling public and the personnel in the work zone. The MASH Traffix Water Wall is free standing, does not require anchoring to the road surface, can be used on concrete, asphalt, gravel, and dirt surfaces. The surfaces used for these tests were concrete and dirt.

A water wall system consists of a series of individual water filled modules that are connected to adjacent modules, creating a continuous barrier wall. Adjoining modules can rotate up to 30 degrees at the connection, allowing the barrier wall to contour to varying road curvature.

Individual modules have overall dimensions of 73 in (1.9 m) long, pin to pin X 18 in (0.46 m) wide X 32 in (0.8 m) tall. An empty module weighs approx. 90 lbs. (41 kg) and 1070.3 lbs. (485.5 kg) when filled with water. The modules are manufactured from polyethylene that is UV stabilized that is orange and white in color. Orange and white barrier modules were the as tested colors the product may be produced in other colors. Permanently molded within the plastic modules are three corrosion resistant cables. The modules are designed with knuckles at the ends which contain a series of vertically aligned concentric holes that allow a steel t-pin to be inserted to connect adjacent modules together. When modules are pinned together there are a total of eight knuckles aligned with the steel t-pin inserted. This provides a positive connection between adjacent modules.

Upon impact the plastic modules rupture, dispersing the contained water, simultaneously engaging and tightening the internal molded-in cable barrier.

CONTACT INFORMATION

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