

## Product Evaluation

### RE: Review of Energite III System Crash Cushion

#### **PRODUCT**

The Energite III System Crash Cushion is manufactured Valtir, LLC located in Dallas, Texas and is distributed in Alberta by ATS Traffic located in Edmonton, and by Barricades and Signs located in Sturgeon County, Alberta. Product Web Link: <https://www.valtir.com/product/energite-iii/>

#### **VENDOR CLAIMS AND INFORMATION**

##### **CLAIMS**

The Energite III System Crash Cushion has been tested to the guidelines as specified in NCHRP 350 TL-3, for non-re-directive crash cushions. The Energite III System features many advantages: including a one piece barrel design and a snap-on lid.

##### **DESCRIPTION**

The Energite III System Crash Cushion is a non-directive, easy to install crash cushion consisting of a number of sand-filled, polyethylene plastic modules that are installed in a specific geometric array in front of a hazard. The cone insert is used to adjust the sand height or center of mass and the overall weight of the barrel. The barrels weight requirement is determined by its place within the array.

##### **POTENTIAL USAGE**

Energite III System Crash Cushions are installed in a specific geometric array in front of a hazard. The Energite III System Crash Cushion modules are available in a wide range of sizes (90 kg to 960 kg). The Energite III System Crash Cushion one piece barrel requires no assembly which simplifies and speeds up installation, the barrels are also stackable for easy transport and storage.

##### **STANDARDS**

NCHRP 350 TL-3

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE**

Alberta Transportation and Economic Corridors may have used this product in its projects.

##### **APPLICABLE STANDARDS**

The Alberta Transportation does not have a standard for crash attenuators.

##### **RECOMMENDATIONS:**

Energite III System Crash Cushion be listed as a Reviewed Product under Alberta Transportation Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

#### **TRIAL PROJECTS**

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