

**PRODUCT DATA SHEET****Deltaline<sup>®</sup> HDX****High Durability Intersection Tapes for Crosswalks**

Deltaline<sup>®</sup> HDX profiled tape is a high performance durable pavement marking that also provides extended reflective performance not achievable from traditional markings. Deltaline<sup>®</sup> HDX is specially engineered for the more demanding intersection and crosswalk applications. The road may be opened to traffic immediately after application. Deltaline HDX is available in white, yellow and high contrast, in a variety of roll widths and as words and symbols.

**Application**

Deltaline<sup>®</sup> HDX (High Durability Intersection) tape can be used as an inlay on new asphalt or surface applied on most pavement surfaces where high durability in the demanding applications of intersections, crosswalks, stop bars, symbols, and legends. Deltaline<sup>®</sup> HDX is the best value to ensure the safety of the motoring public in intersections.

The Federal Highway Administration recommends the use of retroreflective traffic control devices including pavement markings to facilitate safe navigation of the roadway for all drivers. Aging drivers in particular are dependent on pavement markings for guidance when traveling through intersections.

All applications using Deltaline<sup>®</sup> HDX tapes can be installed by following the instructions listed on the appropriate Brite-Line<sup>®</sup> Product Application Instructions.

**Product Features**

- Durable, conformable, and retroreflective
- Profile design provides long term reflective retention
- Abrasion resistant glass beads and anti-skid particles bonded to a durable polyurethane topcoat
- Channels between raised areas are substantially free of exposed reflective spheres
- Conformable construction made from high quality polymeric materials, pigments, and glass beads
- Coated with pressure sensitive adhesive on bottom surface for ease of application
- Manufactured without the use of heavy metals, lead chromate pigments, or other similar lead containing chemicals
- Nominal thickness of 0.065 inches (1.6mm) at profile heights

**Reflectance**

Table # 1 illustrates Deltaline<sup>®</sup> HDX pavement marking tapes excellent minimum reflective properties. Measurements made using ASTM Test Method E1710.

| Minimum Retroreflectivity Values           | White  | Yellow |
|--|--------|--------|
| Entrance Angle                             | 88.76° | 88.76° |
| Observation Angle                          | 1.05°  | 1.05°  |
| Retroreflectivity (mcd/m <sup>2</sup> /lx) | 300    | 200    |

These measurements can be taken at any angle from down web.

\* “The quantity specific luminance (SL) relates to the way the effective retroreflective surface is focused on the retina of the human eye and to the visual effect thereby produced. It is recommended for describing the performance of highway signs and striping..” Federal Test Method Standard 370, 3.1.3, Note 6. March 1, 1977.

**Skid Resistance**

The surface of the tape provides an minimum initial skid resistance value of 45 BPN when tested according to ASTM Method E303. These measurements can be made at any angle from down web.

**Patch Ability**

Heavy traffic and snow plowing may cause wear and damage. New materials can be patched into these areas following instructions indicated on the appropriate Brite-Line<sup>®</sup> Product Application Instructions.

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The performance life of pavement markings will depend on the following:

- Traffic conditions
- Snow removal practices
- Pavement surfaces
- Application techniques

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It is recommended that each customer thoroughly evaluate Deltaline<sup>®</sup> HDX Pavement Marking Tapes under the conditions in the specified location. While experience has shown that when properly applied, these materials are highly effective traffic control devices, Brite-Line<sup>®</sup> Technologies LLC makes no generalized performance claims.

**Important Notice To Buyer**

All statements, technical information and recommendations contained herein are based on tests believed to be reliable. The accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied:

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Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.