

PRODUCT DATA SHEET
Brite-Line 100 Removable
Pavement Marking Tapes

Brite-Line 100 Removable marking tape is an easy to install, highly durable, completely removable means of providing temporary roadway delineation. The composition of 100 Removable is designed to provide superior daytime visibility as well as excellent nighttime reflectivity for portland cement and bituminous surfaces. 100 Removable is available in white and yellow, in a variety of widths, as well as words and symbols, and is intended primarily for construction zones that may be opened to traffic immediately after application. Performs for duration of the normal* construction season.

*A normal construction season is defined as the time after the last snow plowing in the spring and before the first snow plowing in the fall/winter. In locations where snow removal is not performed the tape has a maximum life of up to 12 months.

Composition

100 Removable consists of a highly reflective layer of select glass spheres bonded to the specially formulated blend of polymer resins, pigments, and filters, evenly dispersed with glass spheres and an integrated reinforcing system. The bottom side of 100 Removable is coated with a unique pressure sensitive adhesive designed to adhere to properly prepared bituminous and portland cement surfaces without the use of heat, solvents, or other extra measures.

Application

Proper surface preparation is essential for satisfactory 100 Removable results. Essentially, the surface must be clean and dry, with a surface temperature of 50°F, and rising. 100 Removable cannot be successfully applied over loose or caked dirt, gravel, oily residues, road salt residues, or other foreign substances which will interfere with proper bonding. Manufacturer’s application instructions, with more detailed information, are included in each carton.

Color

100 Removable pavement marking tapes are available from inventory stock in white and yellow conforming to standard highway marking colors. The pigments are thoroughly blended to produce long lasting colors resistant to the effects of weather exposure. Other colors are available on a custom basis.

Reflectance

Exhibit 1 illustrates 100 Removable pavement marking tapes excellent reflective properties both initially and over the life of the product. When measured using ASTM Test Method D4061, 100 Removable tapes exhibit the following minimum initial values expressed as specific luminance in millicandelas per square meter per lux (MCD/M²/Lux). The entrance angle should be 86°.

Exhibit 1

	White		Yellow	
	0.2°	0.5°	0.2°	0.5°
Observation Angle	0.2°	0.5°	0.2°	0.5°
Specific Luminance (MCD/M ² /Lux)	700	500	410	250

Reflectance Retention

To have a long, effective service life, the surface layer of glass beads must be strongly bonded and not easily removed by traffic wear. To assure excellent long lasting reflectance, 100 Removable has a specially formulated, abrasion-resistant top coating designed to securely hold the surface layer of glass beads. The following two tests demonstrate the effectiveness of this coating.

Use a microscope to observe a sample of 100 Removable after 200 cycles on a Tabor Abraser equipped with an H-18 wheel under a 125 gram load. No more than 15 percent of the beads shall be lost due to “popout”. The predominant mode of failure shall be “wear down” of the beads.

A simple and reliable glass bead retention test can be easily performed.

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Wrap a 3 inch by 3 inch sample of 100 Removable tape around a one-half inch mandrel. When applied to the point of maximum bend, masking tape shall not remove beads from surface. In addition, beads shall not be readily removed from the surface by scratching the tape at the point of maximum bend with a thumb nail.

Skid Resistance

The surface of 100 Removable provides excellent skid resistance. When tested according to the procedures specified in ASTM-E-303, 100 Removable exhibits an initial minimum skid resistance value of 45 BPN.

Removal

100 Removable temporary tape is designed to allow removal intact or in large pieces. The use of heat, solvents, hydroblasting, or grinding is not needed. It may be necessary to use a sharp edge to start the removal of 100 Removable, then lift one edge of the tape and pull at a 90o angle to the surface. The temperature should be 40oF or higher. At lower temperatures, 100 Removable maybe somewhat more difficult to remove and excess breakage may occur.

Performance

Brite-Line® 100 Removable Pavement Masking Tape is designed to provide temporary roadway delineation for the duration of the normal construction season (the construction season is defined as the time between the last spring snowfall and first snow plow in the fall/winter). Application method, traffic volume and type, pavement and weather conditions are factors that will determine the actual performance of the product. It is the responsibility of the user to determine the suitability of the product based on the conditions present as abrasions or heavy wear may reduce expected effective performance.

Important Notice To Buyer:

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