



Stamark™

Wet Reflective Temporary Removable Tape Series 720 (ex-Scotch-Lane™)

Market Test Product Bulletin A720

Jan 2004

Health and Safety Information

Read all health hazard, precautionary and first aid statements found in the Material Safety Data Sheet (MSDS), and/or product label of chemicals prior to handling or use.

Description

3M™ Stamark™ Wet Reflective Temporary Removable Tape Series A720 is highly reflective under both wet and dry conditions. Series A720 tape is a conformable marking material intended for longitudinal line applications in highway construction works zones where removability will be required. After the end of the work zone, the tape can be removed intact or on large pieces.

A720 is available as A721 (yellow)

A720 tape utilizes specially designed optics to provide dry and wet reflective performance. The tape consists of a patterned rubber and is coated with a pressure sensitive adhesive for easy, rapid application in temperatures above 10°C

Product construction

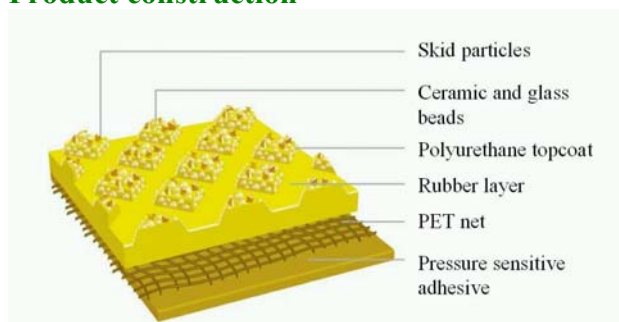


Figure 1: Product construction A340

Product Features

- Highly retroreflective, wet and dry
- No use of heavy metal compounds within the product for coloring
- Provides continuous delineation, day and night
- Easy to apply by hand or by machine
- Durable for normal work zone life
- Coated with pressure sensitive adhesive (PSA)
- Road may be open to traffic immediately
- Easy to remove intact or large pieces

- Leaves no lasting marks
- Available in yellow color

Product Performance

A721 Tape fulfils the following classes of EN 1436 in new condition:

Q	S	R _L	R _w
<i>Q 2</i> ≥ 100 mcd	<i>S 2</i> ≥ 50 SRT	<i>R 3</i> ≥ 150 mcd	<i>RW 3</i> ≥ 50 mcd

Q class: Qd values (retroreflection in diffused light)

S class: Skid Resistance value

R_L class: Coefficient of retroreflected luminance following 30 m geometry in dry conditions

R_w class: Retroreflection under wet conditions

A721 tape has minimum initial retroreflectance values listed in the following table. Values are measured in accordance with CEN Standard EN 1436 Annex B

	Yellow
Entrance Angle	1.24°
Observation Angle	2.29°
Retroreflected Luminance	300 mcd·m ⁻² ·lx ⁻¹

Skid Resistance

The surface of the Series A720 tape provides a minimum initial skid resistance value of 55 SRT. Values are measured in accordance with CEN Standard EN 1436 Annex D.

Removability

A720 tape is removable from asphalt and concrete surfaces intact or in large pieces at temperatures above freezing without use of heat, solvents, grinding or sandblasting. Use the following procedure:

- Wear gloves and use a chisel-like tool to pry up the edge of the tape
- Pull the tape straight up at an angle of 90° to the pavement
- A small amount of heat may be used to help soften the adhesive when removing Scotch-Lane™ tape at cold weather conditions.

Note: Burning is not recommended.

Product Performance References

Stamark™ Wet Reflective Temporary Removable Tape A721 has been homologated by independent Test institutions in Europe:

Bundesanstalt für Strassenwesen (BaSt)

Approval No. 2002 1VF 08.07 (A721-yellow)

General Performance Consideration

Maximum durability of 3M™ Stamark™ Wet Reflective Temporary Removable Tapes Series A720 will be realized when properly applied according to 3M recommendations provided in product bulletins and information folders.

The durability of Series A720 tape will depend on traffic conditions, snow removal practices, application techniques used, and pavement and atmospheric conditions at the time of application. Damage may be caused by heavy trucks, excessive encroachment (crossover), narrow lane width, unpaved shoulders, snow removal and ice control techniques, such as sanding. It is recommended that the customer thoroughly evaluate Series A720 tapes under the conditions in the specified location before making large-scale applications. While experience has shown that, properly applied, these materials are highly effective traffic control devices, 3M makes no generalized durability claims.

Application

All applications of 3M™ Stamark™ Wet Reflective Temporary Removable Tapes Series A720 tape should be installed using the instructions in this Product Bulletin and the appropriate Information Folders.

Climatic conditions for Overlay applications:

- Air and Surface Temperatures: +10°C and rising
- Relative Air Humidity: < 80 %

General surface conditions:

- Clean and dry surface no rain 24 hours prior to the application.

- Always use 3M™ Stamark™ Surface Preparation Adhesive P50 for Overlay applications.
- Butt splices must be used. Do not overlay tape ends.
- Do not apply tape on longitudinal seams or joints

Storage

Store 3M™ Stamark™ Wet Reflective Temporary Removable Tapes Series A720 in a cool dry area - indoors. Use within one year after receipt.

Literature Reference

For additional information on 3M™ Stamark™ Tapes, Application Instructions or 3M™ Application Equipment, refer to the following publications:

- IF OV Information Folder Overlay Application
- IF PS-98 Information Folder Adhesive Spray Applicator PS-98
- IF P50 Information Folder Surface Preparation Adhesive 3M™ Stamark™ P50
- IF MTA2 Information Folder Manual Tape Applicator MTA-2
- IF RTC-3 Information Folder Roller Tamper Cart RTC-3

3M assumes no responsibility for any injury, loss or damage arising out of the use of a product that is not of our manufacture. Where reference is made in literature to a commercially available product, made by another manufacturer, it shall be the user's responsibility to ascertain the precautionary measures for its use outlined by the manufacturer.

Important Notice

All statements, technical information and recommendations herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. 3M shall not be liable and no warranty shall be liable and no warranty shall apply for products not applied according to our published information folder.

Before using, the user must determine the suitability of the product for its intended use, and the user assumes all risk and liability whatsoever in connection therewith. All questions of warranty and liability relating to this product are governed by the terms of the sale subject where applicable to the prevailing law. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of us.



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