SNAPSHOOT
ENGINEERED FOR A SAFER TOMORROW

현장을 이해하고, 필요한 솔루션을 연결합니다.

산업안전 · 추락방지 시스템
산업용 소재 · 건축자재
제품 제안부터 공급·시공·설치·교육까지



COMPANY INFORMATION

스냅슛 (SNAPSHOOT)

ADDRESS (15431) 경기도 안산시 단원구 풍전로 37-9 트리플렉스 301동 118호
TEL 0507-1374-9229
FAX 0504-481-6749
E-MAIL bkkim@snapshoot.co.kr

TECHNICAL DOCUMENTS

인증서 · 데이터시트 · 기술자료

제품의 규격과 성능, 인증 및 적용 조건을 확인하기 위한 자료입니다.

ABOUT SNAPSHOOT

제품 공급을 넘어, 현장에 맞는 해결책으로

스냅슛은 산업현장의 작업 환경과 요구 조건을 바탕으로
적합한 제품과 시스템을 제안합니다. 현장 실사를 통해 설치 조건을 확인하고,
공급부터 시공·설치 및 사용 교육까지 필요한 과정을 함께합니다.

추락방지 시스템

안전대부착설비 · 수평·수직 라이프라인
레일 시스템 · 리지드 포스트

밀폐공간 진입·구조 솔루션

데빗암 · 삼각대 · 구조용 윈치
윈치 안전블록 · 구조장비

산업안전 보호구

전신형 안전대 · 랜야드 · 안전블록
작업 환경에 맞춘 개인보호구

산업용 소재·건축자재

산업용 테이프 · 접착제 · 기능성 소재
구조용 스크류 · 목조건축 자재

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홈페이지 바로가기 →
문서 라이브러리 바로가기 →
시공사례 바로가기 →
문의하기 →

본 페이지는 스냅슛의 자료 제공 안내용 표지입니다. 첨부된 인증서 및 기술자료의 발행 주체, 인증 대상과 적용 범위는 해당 원문을 기준으로 확인해 주세요.



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English-US
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Technical Data Sheet

3M™ Scotchlite™ Photoelectric Grade Sheeting 7590

Product Description

3M™ Scotchlite™ Photoelectric Grade Sheeting 7590 is a durable, flexible, wide-angle, smooth-surface, retroreflective sheeting, specially designed for use in photoelectric applications such as retroreflective labels or marks. The sheeting consists of special lens elements enclosed within a transparent resin, having a smooth flat outer surface and is supplied with a low-temperature, pressure-sensitive adhesive protected by a removable liner.

Product Features

- Sealed lens surface.
- Weatherable.
- Daylight visibility.
- Facilitates printing.
- Offers wet optical performance.
- Cleanability.
- High adhesion formula for low temperatures.
- Designed for strong uniform response of photoelectric devices up to 45° entrance angle.
- For indoor or outdoor use.
- Good choice for nautical uses.
- Multiple uses.
- For permanent installation.

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Attribute Name	Test Condition	Value
Color		Opaque white
Application Thickness		0.17 mm (7 mil)
Lens		Protected
Typical Luminance Factor		200x
Typical Luminance Factor	Skewed 45° reading	80x
Liner Thickness		0.1 mm (4 mil)

Typical Performance Characteristics

Attribute Name	Value
Short Term Temperature Resistance	204 °C (400 °F) [1]
Long Term Temperature Resistance	93 °C (200 °F) [2]

[1] Short Term (minutes, hour)

[2] Long Term (day, weeks)

Handling/Application Information

Application Techniques

Automatic and manual dispensers are available to facilitate application of 3M™ Scotchlite™ Photoelectric Grade Sheeting 7590.

Application may be made at temperatures as low as 10°F (-12°C) to a clean and dry surface. The sheeting will remain serviceable for many years when properly applied to a suitable substrate and used in typical indoor or outdoor environments.

The sheeting maintains approximately 90% of its dry brightness with water falling on the surface (Rainfall Test Method of Federal Highway Administration Specification, FP-74, Section 718.01 [6]).

Use in high temperature environments (above 200°F [93°C]) for an extended period of time could permanently reduce retroreflective efficiency. Repeated freeze-thaw cycles may cause subtle but visible cracking of the reflective surface, which should not significantly affect performance. Extreme cracking will reduce the optical performance of the sheeting.

Storage and Shelf Life

Store under normal conditions of 20° to 24°C (70° to 75°F) and 30 to 50% relative humidity in the original packaging, flat, and out of direct sunlight. Store horizontally in shipping carton and avoid pressure from stacking. For best performance, use this product within 12 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	45.7 m (50 yd)
Standard Width	1.27, 2.54, 5.08, 7.62, 10.16, 15.24 mm (1/2, 1, 2, 3, 4, 6 in)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/packaging.

3M™ Industrial Specialties Division
3M Center, St. Paul, MN 55144-1000
www.3M.com

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