

Jinjiang Lianxing Reflective Material Co.,LTD.

3H2000 EGP Series Traffic Retroreflective Sheeting Product Specification Sheet

Revised Date: Mar. 01, 2026

Basic Information

Item Name	Super Engineering Grade Retroreflective Sheeting
Model	3H 2000 Series
Material	Surface Material: PMMA
Service Life	7 years
Applicable Environment	Applicable Temperature Range: -10℃ ~ 60℃
Product Category	ASTM D4956 Class II Reflective Sheeting GB/T 18833-2012 Class II Reflective Sheeting
Product Description	This super engineering grade retroreflective sheeting is manufactured via micro-prism technology. It complies with the requirements for Class II retroreflective sheeting specified in the national standard GB/T 18833-2012 Retroreflective Sheeting for Road Traffic Signs. It delivers superior retroreflective coefficients and excellent weather resistance exceeding the standard thresholds. Our company has obtained an official test report issued and approved by the Beijing Transport Research Institute for this product.

Dimensions

Product Specification	1.22m × 45.7m per roll
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Basis Weight	≈4.5g/100cm ²
Total Thickness	45C ± 1C
Film Thickness	37C ± 1C
Release Liner Thickness	8C(Semi-transparent Release Liner)

Photometric & Colorimetric Properties

Color	White	Yellow	Orange	Red	Green	Blue	Brown
Minimum Coefficient of Retroreflectivity (Front Side)	140	100	60	30	30	10	5

Coefficient of Retroreflectivity (All Angles)

Complies with the requirements for Class II reflective sheeting specified in GB/T 18833-2012 Road Traffic Reflective Sheeting.

Coefficient of Retroreflectivity (5-7 Years Service Life)

Complies with the requirements for Class II reflective sheeting specified in GB/T 18833-2012 Road Traffic Reflective Sheeting.

Note: For the coefficient of retroreflectivity (7 years service life), partial areas at the middle position fail to meet the weather resistance requirements of Class II reflective sheeting in GB/T 18833-2012 Road Traffic Reflective Sheeting, while all other positions are in compliance.

Chromaticity Coordinates

Complies with the standard specified in GB/T 18833-2012 Road Traffic Reflective Sheeting.

Chromaticity Coordinates (Within Service Life)

Complies with the standard specified in GB/T 18833-2012 Road Traffic Reflective Sheeting.

Dimensions

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Carton Dimension	129cm × 22cm × 22cm
Net Weight	25.74kg
Gross Weight	28.74kg

Application

This product is applicable to road traffic signs, delineators, traffic cones, traffic posts, crash barrels (pads), guardrails and other traffic management and operation facilities. It can also be used in various reflective fields as required.

Product Usage & Precautions

Processing Methods	Screen printing, lettering, ordinary inkjet printing
Precautions	1.This product features a wide range of applications and diverse processing methods. To avoid unnecessary losses and disputes, please confirm your product application requirements and place your official order with our company upon confirmation. 2.The product shall be stored in a cool, well-ventilated environment and stacked layer by layer on pallets. Storage above 28°C after unpacking is prohibited. For any unused product after unpacking, rewind the roll tightly, seal it and put it into a dust-proof bag before storing in a cool place. 3.The product shall be pre-conditioned at 18°C to 28°C for 24 hours prior to processing. Processing must be carried out under ambient temperature of 18°C–36°C and relative humidity of 35%–60%; otherwise defects such as warping and poor adhesion may occur. After processing, leave the product under normal ambient

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temperature for 24–72 hours to allow sufficient reaction between the adhesive and substrate before transportation and construction.

4.This product adopts two-component adhesive. The surface may feel slightly non-tacky, which is caused by the characteristics of the two-component adhesive and ambient temperature. When used under the environmental conditions specified in Item 3, the adhesive performance can be fully guaranteed.

5.This product is compatible with ordinary weak solvent inkjet printing. However, the printing effect and ink density are related to the performance of the inkjet printer. Customers are advised to conduct small-batch trial confirmation before mass processing.

6.If you are using our series of products for the first time, it is recommended to complete processing and application tests in advance. Mass production can only be arranged after the product is confirmed to meet your requirements.

7.This series of products shall be used up within half a year upon customer receipt. Please contact our company in a timely manner if any stock remains unused.

Supplementary Notes

Please process in accordance with the Operating Instructions.

To the best of our knowledge and belief, all information contained in this specification sheet is accurate as of the date of issuance. The information provided herein serves only as guidance for use, handling, storage, transportation and other relevant operations, and shall not be construed as a warranty or quality specification.