

Jinjiang Lianxing Reflective Material Co.,LTD.

3H4000 HIP Series Traffic Retroreflective Sheeting Product Specification Sheet

Revision Date: 2025.02.13

Basic Information

Product Name	High Intensity Micro- Prismatic Reflective Sheeting
Model No.	3H 4000
Material	PMMA Layer
Service Life	10 Years Outdoor
Applicable Environment	-20℃~60℃
Appearance	The outer surface of product shall be smooth and clean, free of obvious scratches, bubbles and uneven color.

规格尺寸

Dimensions & Specifications	1.22m*45.72m/Roll
Product Specification	46C±1C
Total Thickness	38C±1C
Release Liner Thickness	8C
	Translucent Release Liner

Photometric & Colorimetric Performance

Color	White	Yellow	Orange	Red	Green	Blue	Brown
Minimum Coefficient of Retroreflectivity (Front Side)	360	270	145	65	50	30	18
Coefficient of Retroreflection (Front Side) - Within Service Life	288	216	116	52	40	24	14.4
Coefficient of Retroreflection (Wide Angle)							
Coefficient of Retroreflection (Wide Angle) - Within Service Life							
Note: Unit of Coefficient of Retroreflection: $\text{cd} \cdot \text{lx}^{-1} \cdot \text{m}^{-2}$							
Chromaticity Coordinates							
Chromaticity Coordinates - Within Service Life							

Complies with the requirements for Class IV Retroreflective Sheeting specified in GB/T 18833-2012 Retroreflective Sheeting for Traffic Control.

Dimensions

Carton Dimension	129cm*22cm*22cm
Net Weight	25.6±0.5kg
Gross Weight	28.9±0.5kg

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

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	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.
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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.