

Description

MNTECH Global's conspicuity tape meets global standar such as DOT-C2, ECE-104, It is micro-prismatic retro-reflecting sheeting with great durability. It has high recognition for prevention of accidents with heavy vehicle at night.

Standard

RV-5000 Series Reflective Sheeting also exceeds the current applicable requirements for the following specifications:

Standard	Remark
DOT-C2	International
ECE-104	Europe (EU)
DENATRAN	Brazil
AIS-090	India

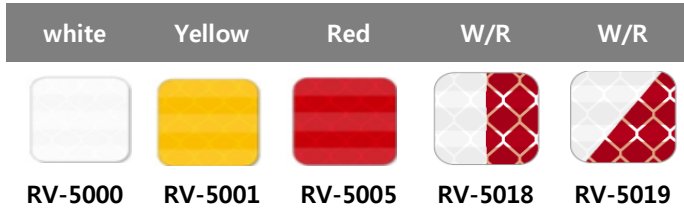
Construction

Face Film	High-Gloss Acrylic Retro-reflective Film with Microprisms
Adhesive	Permanent Pressure Sensitive
Liner	Polypropylene Film

Property

- √ Observation with wide angle during day and night, high recognition
- √ Wide variation of color and possible to do silk screen
- √ Easy to cut and work

Colors

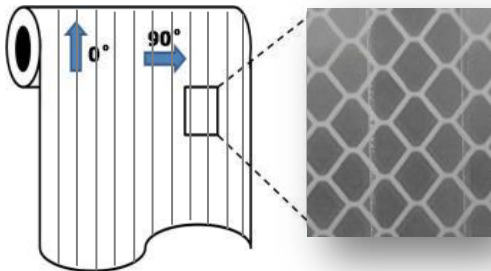


Physical Properties

Minimum Life Expectancy	7 Years
Shelf Life	1 years when stored at the following temperature and conditions 18°C~24°C and 30%~50% R.H
Application	Trucks, Trailers and Other Vehicles
Other Tests	RV-5000 Series meets all other requirements set forth in DOT-C2, ECE-104, DENTAN, AIS-090, etc including Resistance to corrosion, fuels, heat, cleaning, Impact, weathering, and Bonding strength.

Sealing Pattern and Application Directions

MNTECH RV-5000 is non direct-dependent, intersection type and has diamond shape.



As intersection product, the diamond shape can be found according to the direction of unravelling,

Vertical direction: Horizontal (0°)

Horizontal direction: Vertical (90°)

Technical Data

RV-5000 Series meets the following ECE-104, AIS-090, DOT-C2

ECE-104 / AIS-090		Minimum coefficient of retro reflection (R _A) cd/fc/ft2 (cd·lx ⁻¹ ·m ⁻²)				
		0.33°				
Observation Angle (α)		0.33°				
Entrance Angle (β ₂)		5°	20°	30°	40°	60°
White	RV-5000	450	-	200	90	16
Yellow	RV-5001	300	-	130	75	10
Red	RV-5005	120	60	30	10	-

DOT-C2		Minimum coefficient of retro reflection (R _A) cd/fc/ft2 (cd·lx ⁻¹ ·m ⁻²)					Daytime Luminance Factor (Y%)	
		0.2°		0.5°			Min.	Max.
Observation Angle (α)		0.2°		0.5°				
Entrance Angle (β ₁)		-4°	30°	45°	-4°	30°	45°	
White	RV-5018,	250	250	60	65	65	15	15
Red	RV-5019	60	60	15	15	15	4	2.5

Color Specification Limits (Night-time)

ECE-104 / AIS-090		1		2		3		4	
		x	y	x	y	x	y	x	y
White	RV-5000	0.373	0.402	0.417	0.359	0.548	0.414	0.45	0.513
Yellow	RV-5001	0.585	0.385	0.61	0.39	0.52	0.48	0.505	0.465
Red	RV-5005	0.72	0.258	0.735	0.265	0.665	0.335	0.643	0.335

Color Specification Limits (Day-time)

DOT-C2		1		2		3		4	
		x	y	x	y	x	y	x	y
White	RV-5000	0.303	0.3	0.368	0.366	0.34	0.393	0.274	0.329
Red	RV-5005	0.648	0.351	0.735	0.265	0.629	0.281	0.565	0.346