REFLOMAX
Our Value is Your Safety

REFLOMAX
Microprismatic Reflective Manufacturer

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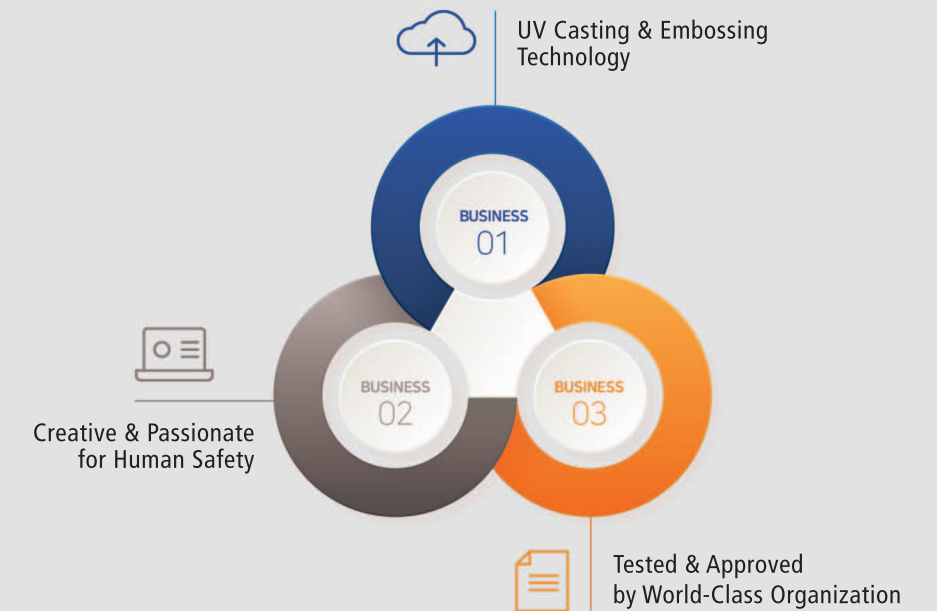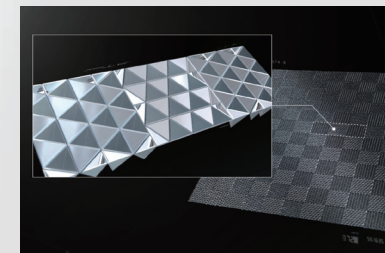**REFLOMAX**
Microprismatic Reflective Manufacturer

REFLOMAX,
We value your safety highly

Since 1989, we Reflomax has been thriving for much safer roadways and life by providing qualified micro-prismatic reflective sheeting with our own technologies and plant.
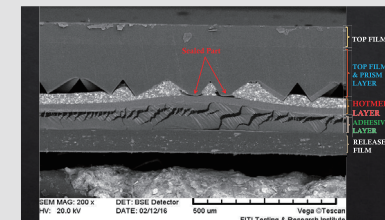
Technology & Innovation

UV Casting & Embossing Technology

BUSINESS 01

BUSINESS 02

BUSINESS 03

Creative & Passionate for Human Safety

Tested & Approved by World-Class Organization

Competitive Edge

01. Patent Mosaic Pattern

Reflomax's Mosaic Pattern provides stable reflective performance in orientation angle.

02. Comprehensive Technology

- **Embossing Technology**
  - Optimizing the combination of heat and pressure for embossing process according to materials
- **UV Casting Technology**
  - Ultraviolet light for curing process to make harder & stable prismatic structure in the reflective sheeting

Field Retroreflectometer

Temperature & Humidity Chamber

QUV Accelerated Weathering Tester

WE ARE **NO.1 FOUNDER OF MICRO PRISM TECHNOLOGY** IN ASIA.

WE STRIVE FOR A **SAFER ROADWAYS**.

WE PURSUIT OF **PERFECTION PRODUCT**.

History

Year	Event
1989	Founded Dai Yang company as a Distributor for Retro-Reflective Fabric of 3M Personal Safety.
1997	Established Reflective Sheeting production system, Micro Prism type retro reflective sheeting.
1999	Registered trademark 'Glodian' Micro Prism Reflective Sheeting.
2000	Registered Patent on a new device for Glodian Roll Type Manufacturing System. Acquired EN471 Certification for Micro Prism Tape.
2001	Acquired CE Mark : SGS UK
2003	Company name changed to REFLOMAX CO., LTD.
2004	Authorized as a Venture Business by Business Administration in Korea. Selected as a Good Business in Exportation by Korea Export Center in Seoul. Selected as an INNO-BIZ Enterprise by Business Administration in Korea.
2005	Acquired ANSI/ISEA 107 Certification for Micro Prism Tapes. Acquired EN13356 Certification for Micro Prism Film.
2006	Joint-Venture Partnership with Reflexite Corporation (Avon, CT, USA)
2008	Succeeded to develop Micro-prismatic Reflective Material for Traffic Sign.
2009	Succeeded to mass-produced Micro-prismatic Reflective for Traffic Sign. Started Exporting Micro-prismatic Reflective Material for Traffic Sign.
2011	Became an Orafol Group company as a form of Reflomax–Orafol Joint-Venture
2015	Succeeded to developing Type 9 Superfine Grade Sheeting Brought back 100% independency from Orafol.
2016	Acquired AIS 090 and ECE104 Certification for European and Indian market for Vehicle Conspicuity Tapes
2017	Acquired test report of compliance to AS/NZS1906.1 for Class 900 and Class 400

Certification

ISO 9001	ISO 14001	AIS090	CALCOAST DOT-C2	ECE 104

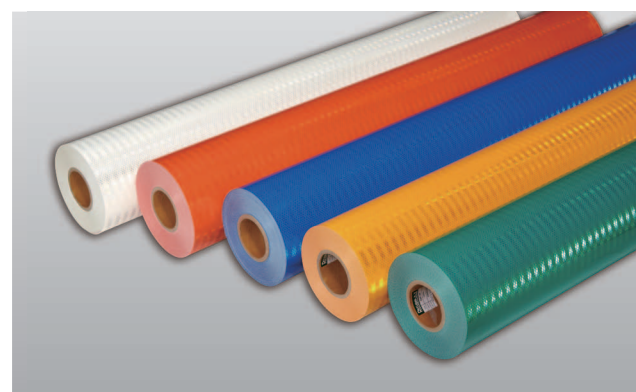| INNO-BIZ	CALCOAST-HIP	GB.T18833-2012	ANSI.ISEA 107	AS/NZS 1906.1

TS Traffic Sign Sheeting Series

2. HIP 4000 - High Intensity Prismatic Grade
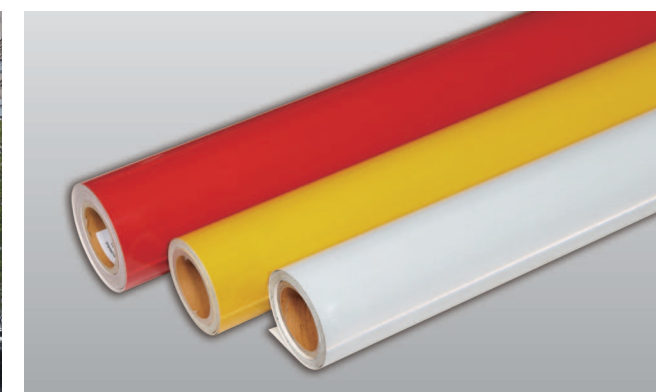

High performance for traffic control signs.

Traffic Sign Sheeting

1. SG9000/SG8000 - Superfine Grade

Significant reflective performance with wide angles at traffic control signs on express ways.
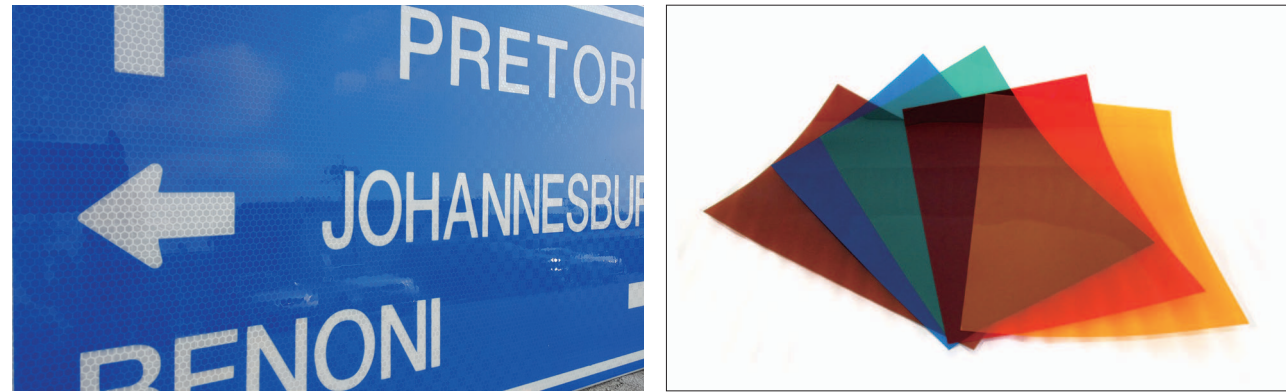
3. EGP 2000 - Engineer Grade Prismatic Grade

Suitable for effective information about various traffic signs.

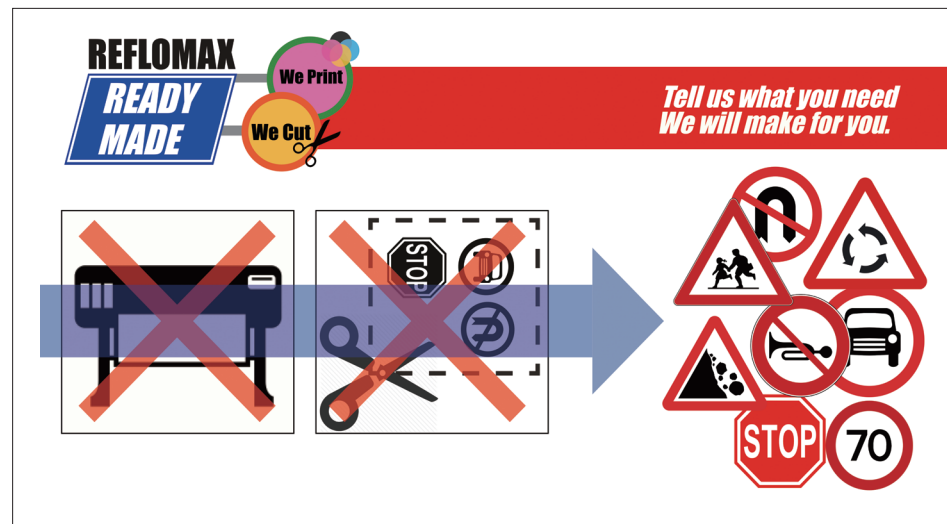## 4. EC 1000 - Electro Cut Films & Lettering Films

Custom Traffic Sign Sticker

5. Ready made & Under-film printing

What is Ready-Made?
Traffic sign reflective stickers with customized design and pre-cut condition for easy application, which is able to skip course of many normal processing.

What is Under-Film Prinitng?
Our special under-film printing technique protect ink from getting scratched and protect its color for long-lasting.

REFLOMAX
READY MADE
We Print
We Cut

Tell us what you need
We will make for you.

STOP 70

Additional Information

Code Number	SG 9000	SG 8000	HIP 4000	EGP 2000	EC 1000
Main Applications	Traffic signage & Permanent signs				
Reflective Technology	Prismatic & Sealing type			Prismatic & Metalized	
Thickness	400μm				
Weatherability	10 years for general colors / 3 years for fluorescent colors				
Release Liner	80μm, polypropylene film, silicone coated on one side				
Adhesive	clear, solvent-based, permanent adhesive clear, solvent-based, permanent adhesive				
Length	50yds/roll				
Width	24", 48"				
Specification	ASTM D 4956-16b				
Colors	8 colors	8 colors	9 colors	5 colors	6 colors

SG 9000 (8 colors): White, F.Yellow-Green, Yellow, F.Orange, Orange, Red, Green, Blue

SG 8000 (8 colors): White, F.Yellow-Green, Yellow, F.Orange, Orange, Red, Green, Blue

HIP 4000 (9 colors): White, F.Yellow-Green, Yellow, F.Orange, Orange, Red, Green, Blue, Brown

EGP 2000 (5 colors): White, Yellow, Red, Green, Blue

EC 1000 (6 colors): White, Yellow, Red, Green, Blue, Brown

Packing

(unit : mm, kg)

Item	Roll Size (Width×Length) (unit : cm×M)	Carton Box Size			Net Weight
		W	L	H	
EGP, HIP, SG	92 × 45.7	990	225	215	20.2
	122 × 45.7	1290	225	215	26.7
FX	122 × 45.7	1290	225	215	32.9
TAC	92 × 50	990	225	215	27.1

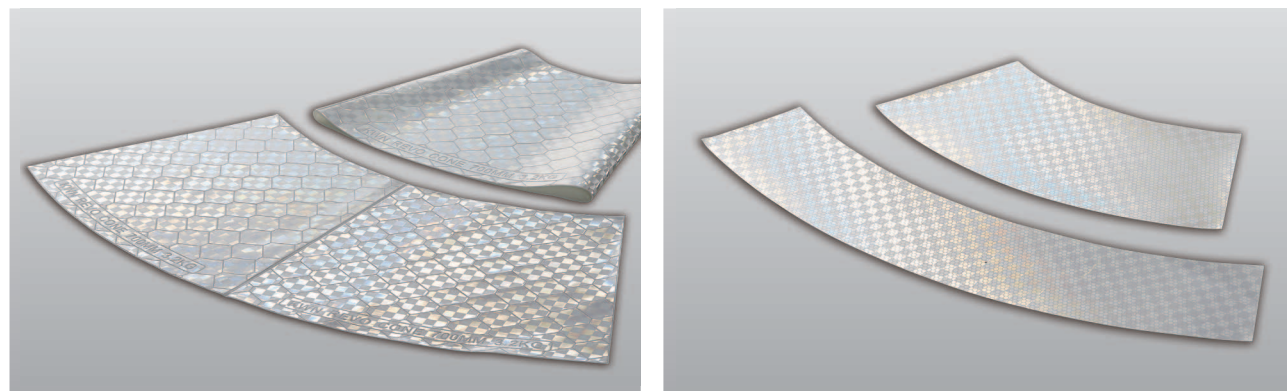# Glodian™ Traffic Control Series

- Delineator / Cone Collar

1. TAC 500, Delineator Metalized Flexible Sheeting
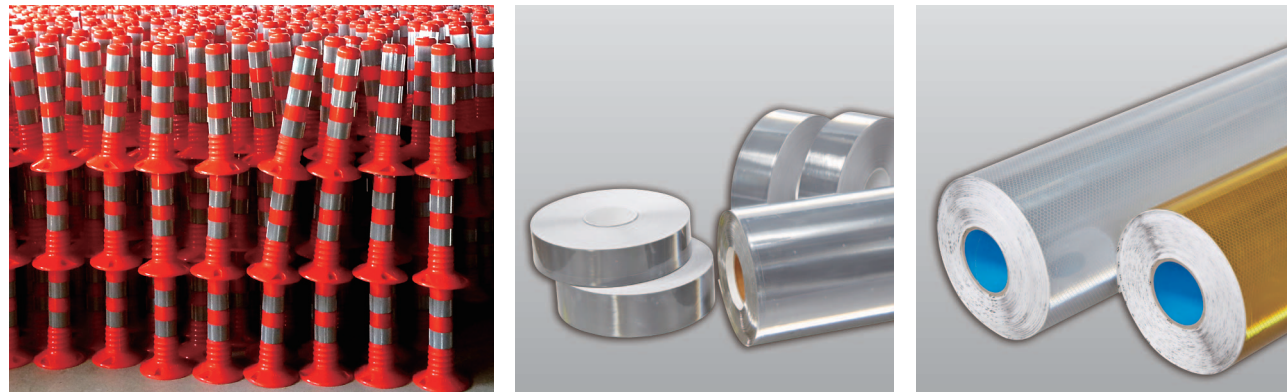
High Performance metalized flexible micro prismatic reflective sheeting.
Make sure to be overlapped on the bollard by 1~3 cm.

2. Cone Sleeve

- CS 310 (welded type)
Compliance to EN13422 standard on traffic cones

- CS 320 (adhesive type)
Cone Collar with adhesive tape

- Sign Marking & Barricades

3. MC4000, High Intensity Prismatic Marking Grade

High level of retroreflective series for traffic markings on the road ways.

Additional Information

| Code Number	TAC 500	CS310(Welded type)	CS320(Adhesive type)	MC4000
Main Applications	post band, cone collar	cone collars	cone collars	barricade, Crash cushions, etc.
Reflective Technology	prismatic	prismatic	prismatic	prismatic
Thickness	300μm	-	-	-
Weatherability	1 year	1 year	1 year	5 years
Release Liner	190μm, paper, silicone coated on one side	-	190μm, paper, silicone coated on one side	80μm, polypropylene film, silicone coated on one side
Adhesive	clear, solvent-based, permanent adhesive	-	clear, solvent-based, permanent adhesive	clear, solvent-based, permanent adhesive
Length	50M/roll	various size, customize	various size, customize	50yds/roll
Width	36"	various size, customize	various size, customize	24", 48"
Specification	meets ASTM D 4956 specifications for Type V	meets EN 13422 specifications	meets EN 13422 specifications	meets ASTM D 4956 specifications for Type IV
Type	metalized back side for prism protection	-	-	-
Colors	3 colors	1 color	1 color	White / Red or Yellow / Black
	White Yellow Silver	White	White	White/Red Yellow/Black

VC Vehicle Conspicuity Series

ECE-104, AIS-090 Vehicle Conspicuity Tape

2. VC-E4, VC-I9, Sealing Type
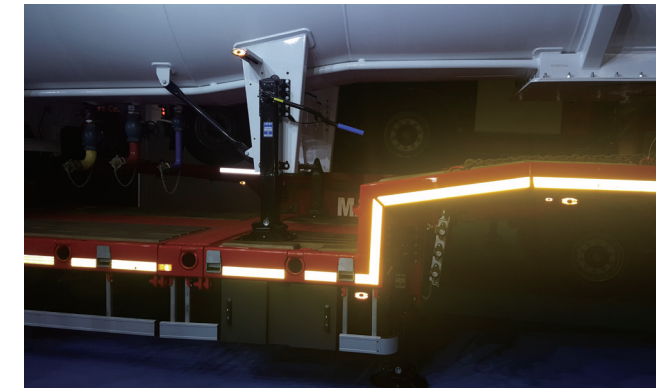
Glodian™ VC-E4, VC-I9 specification complies to ECE 104 Class C and AIS 090 Class C with high level of retro reflectivity to improve the visibility of drivers at night.

DOT-C2 Conspicuity Tape

1. VC6H VC7H Sealing Type and VC6M, VC7M Metalized Type
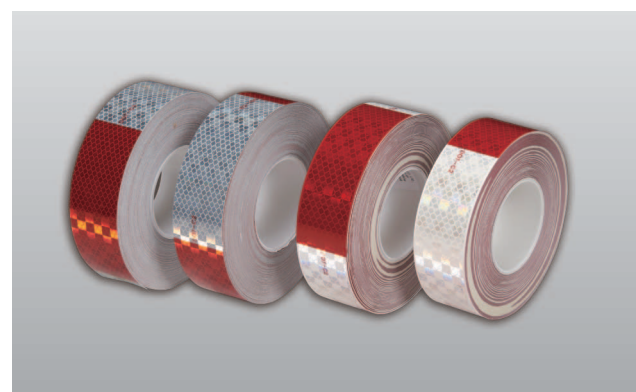
Glodian™ VC6H, VC7H, VC6M, VC7M specification complies to FMVSS 108 DOT-C2 with high level of retro reflectivity to improve the visibility of drivers at night.

3. ECE 70 Rear Marking

Rear marking for improving vehicle conspicuity.

Chevron Vehicle Marking Sheeting

4. VCC 4000, Chevron Vehicle Markings

Designed for drivers' safety by its high visible Chevron Vehicle Markings.

Additional Information

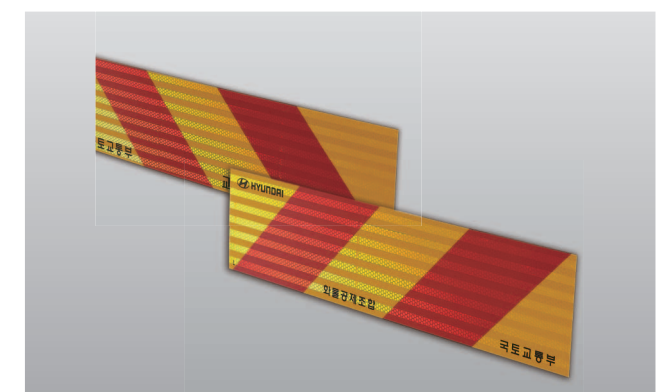| Code Number	VC6H, VC7H	VC6M, VC7M	VC-E4, VC-I9	VCC4000
Main Applications	vehicle conspicuity markings	vehicle conspicuity markings	vehicle conspicuity markings	vehicle marking
Reflective Technology	prismatic	prismatic	prismatic	prismatic
Thickness	sealing type : 400μm	metalizing type : 260μm	sealing type : 400μm	-
Weatherability	7~8 years	7~8 years	7~8 years	5 years
Release Liner	80μm, polypropylene film, silicone coated on one side	silicone coated on one side metalizing type : 190μm, paper	80μm, polypropylene film, silicone coated on one side	80μm, polypropylene film, silicone coated on one side
Adhesive	clear, solvent-based, permanent adhesive	clear, solvent-based, permanent adhesive	clear, solvent-based, permanent adhesive	clear, solvent-based, permanent adhesive
Length	50yds/roll	50yds/roll	50yds/roll	50yds/roll
Width	2"	2"	VC-I9 20mm available	24", 48"
Certifications	meets FMVSS 108 with DOT-C2	meets FMVSS 108 with DOT-C2	meets ECE 104, AIS 090, Regulation	-
Type	sealing types	metalizing types	sealing types	-
Custom Logo	Custom logo printing is available	Custom logo printing is available	Custom logo printing is available	-
Specification	-	-	-	meets SANS 1329-4, ECE104
Colors	6"/ 6" & 7"/11" - White / Red	6"/ 6" & 7"/11" - White / Red	3 colors	White / Red or Yellow / Black

White/Red   White/Red   White   Red   White/Red   Yellow/Black   Yellow

Prismatic Car License Plate Sheeting

Additional Information

| Code Number	Car License Plate Sheeting
Durability	Up to 5-years when properly converted and installed
Retroreflective Elements	Micro Prismatic
Film Thickness	150μm(excluding release liner)
Surface Film	PVC
Adhesive Type	Pressure-sensitive Adhesive
Release Liner	Paper
Application Surface	Chemically treated or conversion coated aluminum
Application Temperature	15°C(60°F) minimum
Embossing Temperature	21°C(70°F) minimum
In Use Temperature Range	-10° to 65°C(14° to 150°F)

Packing

(unit : mm, kg)

| Item	Class	Carton Box Size			Quantity per box	Net Weight	
		W	L	H			
VC Tape	Inner Box	210	193	60	1	VC-E4	1.2
	Out Box A (w/o Inner Box)	570	200	280	15	VC-I9	1.2
	Out Box B (w/ Inner Box)	430	410	74	16	DOT-C2	1.1
Car License Plate (1220mm × 50meters)		1290	225	215	1	20	

PS Personal Safety Series

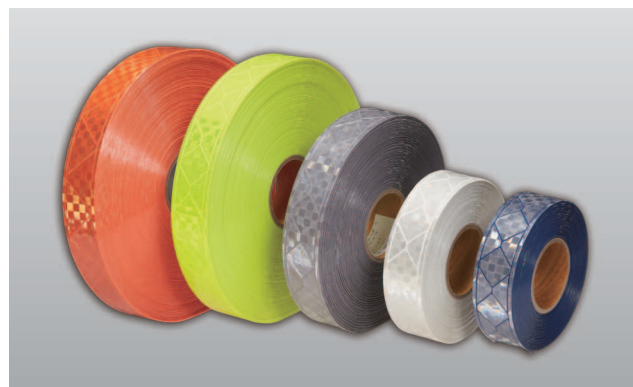

2. EFT-500 (Mosaic Pattern) / PFT-500 (Stripe Pattern)
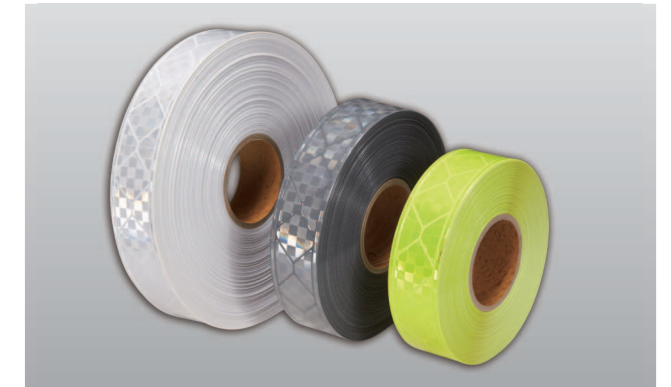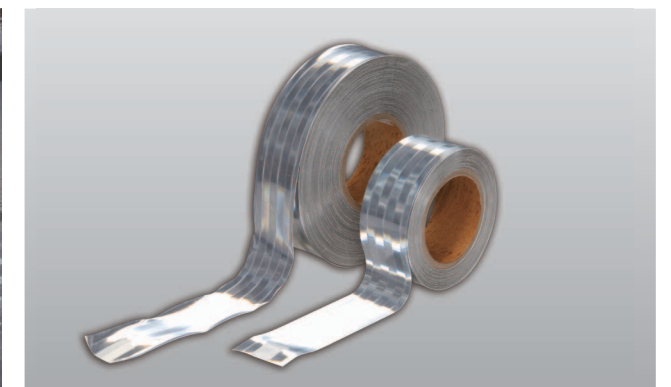

Non-PVC refine materials used.

EN ISO 20471 & ANSI/ISEA 107 Class2 Reflective Prism Tape

1. TRG-500 (Mosaic Pattern) / PGT-500 (Stripe Pattern)
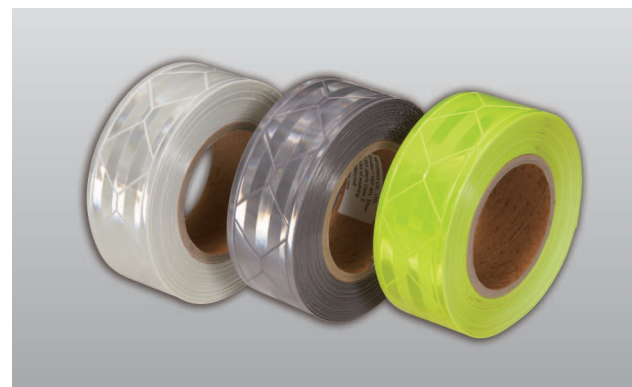
Unique patterns for high visibility at various applications.
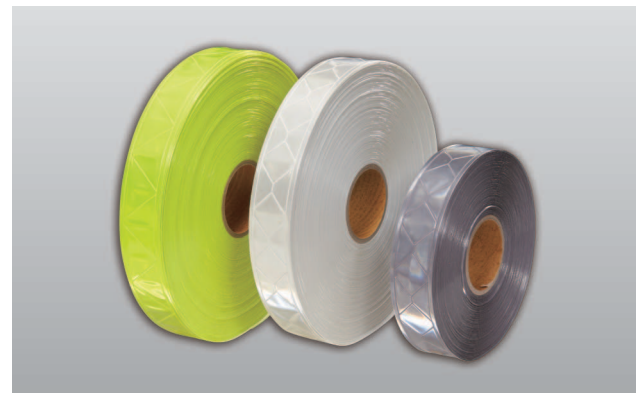
3. PGT-FB / PFT-FB

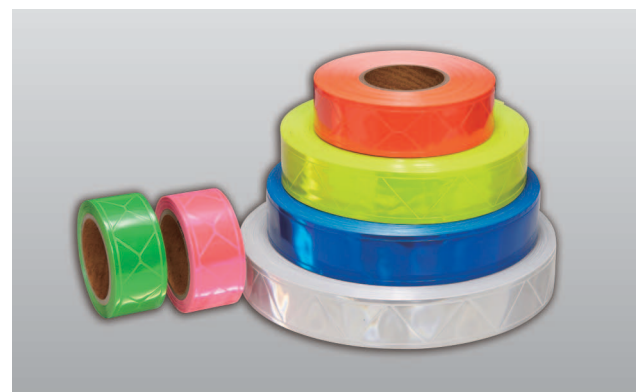Fabric backed with cold resistance and dry cleanable materials.

High Reflective Grade
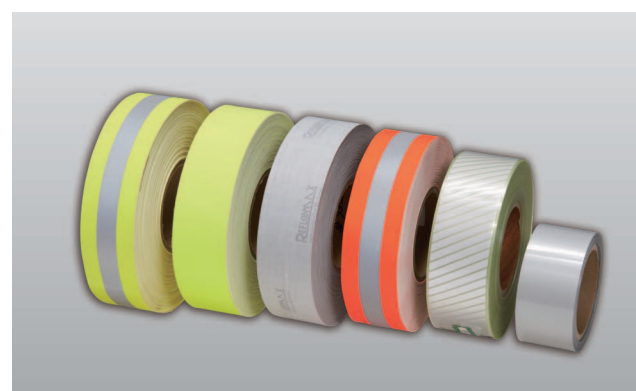
4. AGT, High reflective grade

Commercial Grade

5. RGT, Commercial grade

EN ISO 20471 & ANSI/ISEA 107 Reflective Glass bead Tape

6. KR Series

Compliance to ENISO20471 standard, Industrial washable flame retardant, heat transfer and segmented.

Microprismatic Tape Additional Information

Code Number	TRG-500	PGT-500	EFT-500	PFT-500	PGT-FB	PFT-FB	AGT	RGT
Main Applications	High-visibility garment, rain wear, consturction worker jacket etc							Normal garment
Charateristic	Phthalate free Comply with hamless EN71 part 3 for children's toy regulation & AZO free		100% Non-PVC(no chloride, no phthalate, no plasticizer) cold resistance at -40°C		Fabric Backing			
Reflective Technology	Prismatic							
Prismatic Pattern	Special unique design of Check pattern	Stripe pattern with high performance at wide angle	Special unique design of Check pattern	Stripe pattern with high performance at wide angle	Stripe pattern with high performance at wide angle	Stripe pattern with high performance at wide angle	Plain pattern with great reflectivity at front angle	Plain pattern
Surface	Dye-blocked available							
Washing	75 cycles at 60°C		75 cycles at 60°C 50 cycles dry cleaning		75 cycles at 60°C	100 cycles at 60°C 50 cycles dry cleaning		
Length	100m/roll							
Width	5cm~7cm							
Certifications	EN ISO 20471, ANSI/ISEA 107							
Colors	4 colors	3 colors	3 colors	3 colors	1 colors	1 colors	3 colors	12 colors

4 colors: White, Silver, F.Yellow, Orange
3 colors: White, Silver, F.Yellow
3 colors: White, Silver, F.Yellow
3 colors: White, Silver, F.Yellow
1 colors: Silver
1 colors: Silver
3 colors: White, Silver, F.Yellow
12 colors: White, F.Yellow, Yellow, F.Orange, Orange, F.Orange Red, Red, Green, Smoky Blue, Blue, Pink, Magenta

Glass bead Tape Additional Information

Code Number	KR-500	KR-500IW	KR-500FR	KR-500FR IW	KR-500F	KR-500D
Main Applications	High-visibility garment, Consturction worker jacket etc					
Charateristic	Sew-on	Industrial Washing	Flame Retardant	Flame Retardant Industrial washing	Heat Transfer	Heat Transfer Segmented
Reflective Technology	Glass bead type					
Backing type	Polycotton	Polyester	Cotton FR Treated		Hotmelt adhesive	
Washing	50 cycles at 60°C	100 cycles at 60°C (domestic) 50 cycles at 85°C (industrial)	30 cycles at 60°C	30 cycles at 75°C	50 cycles at 60°C	25 cycles at 60°C
Length	100m/roll					
Width	2" (max 42")					
Certifications	EN ISO 20471 ANSI/ISEA 107	EN ISO 20471	EN ISO 20471	EN ISO 20471	EN ISO 20471	EN ISO 20471 ANSI/ISEA 107
Colors	1 color	1 color	3 colors	1 color	1 color	1 color

1 color: Silver
1 color: Silver
3 colors: Silver, F.Yellow-Silver-F.Yellow, Orange-Silver-Orange
1 color: Silver
1 color: Silver
1 color: Silver

PM Professional Material

2. Enfren, Non-PVC ECO Material
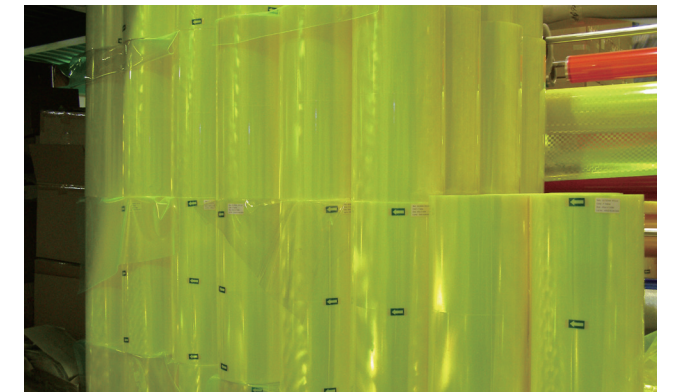
Enfren is Chloride free reflective film with excellent high frequency welding property.

EN 13356

1. AGR, Phthalate Free PVC Material
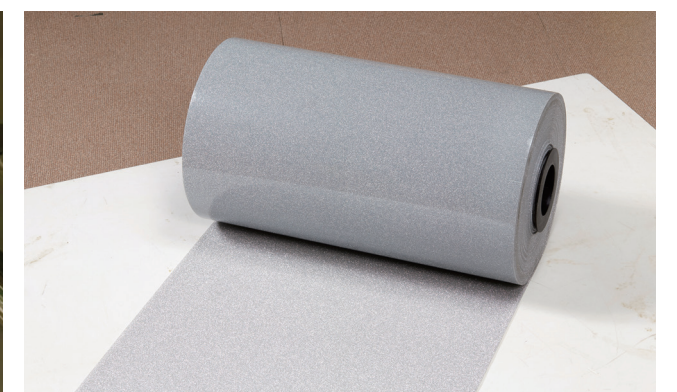

Complying EN71 Part 3 and free of AZO material for minimum performance and durability required with printable & flexible property.

Fashion & Accessories

3. Enfren shine, Non-PVC ECO Material

Most shining effect for fashion items such as shoes, clothes and accessories in order to maximize shining effect without backing material. Available high frequency welding.

4. RGR, Commercial grade of PVC Material

Reflective PVC film with high frequency welding property and various colors.

5. FGR, Full reflective fabric Material

Microprismatic reflective fabric designed for fashion clothes. Easily workable by sewing on safety wear, rain wear, M/C Jacking and gloves etc. Non-PVC type available.

Packing

(unit : mm, kg)

Item	Roll Size	Packing	Carton Box Size			Quantity per box	Net Weight
			W	L	H		
TRG, EFT, AGT	50mm×100M	Inner Box	330	325	55	1	3
		Out Box	370	370	330	5	15
AGR, XGR, RGR, FGR	460mm×100M	Out Box	285	540	300	1	17

Additional Information

Code Number	AGR	Enfren	Enfren shine	RGR	FGR
Main Applications	EN 13356 Accessory, Cone cover etc		Garment, shoes etc	Fashion & shoes materials, fun reflectors etc	Safety wear, rain wear, M/C jacket, backpack, pet wear and gloves etc
Charateristic	Phthalate free Comply with hamless EN71 part 3 for children's toy regulation & AZO free	100% Non-PVC(no chloride, no phthalate, no plasticizer) cold resistance at -40°C		Phthalate free Comply with hamless EN71 part 3 for children's toy regulation & AZO free	
Reflective Technology	Prismatic				
Surface	Dye-blocked is available / PET Film on surface for protecting		Reflective side with shining/ PET Film on surface for protecting	PET Film on surface for protecting	Dye-blocked
Length	100m/roll				
Width	46cm			46cm, 122cm	92cm
Certifications	EN 13356 / EN13422 RS for Cone sleeve				
Colors	2 colors	2 colors	1 color	12 colors	3 colors
	White F.Yellow	White F.Yellow	Silver	White F.Yellow Yellow F.Orange Orange F.Orange Red Red Green Smoky Blue Blue Pink Magenta	White F.Yellow Yellow