

RS-7000 SERIES

[PG2] Premium Grade Prismatic Reflective Sheeting

Product Data Sheet
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Description

MN Tech Global's Wide angle super high intensity prismatic (PG2) reflective sheeting meets KS A 3507 and ASTM D 4956 VIII Standards. It is micro-prismatic retro-reflecting sheeting with great durability.

PG2 has wider angle of observation compare to PG1, and it provides great visibility to divers under any circumstance.

Standard

RS-7000 Series Reflective Sheeting also exceeds the current applicable requirements for the following specifications:

Standard	Table	Remark
ASTM D 4956	IX	International
KS A 3507	IX	South KOREA
CUAP	R3B for Germany	Europe (EU)
AS/NZS 1906.1	Class1 1W	Australia / New Zealand
NEW GOST R	B	Russia

→ RS-7001 Yellow
for Class 400/900
RS-7003 Blue
and RS-7004 Green NZ
for Class 900

Construction

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

Property

- √ Two times greater than the HIP reflective sheeting in terms of reflectivity.
- √ Vivid color and high day-time reflectivity (%)
- √ Wide variation of color and possible to do silk screen

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Colors

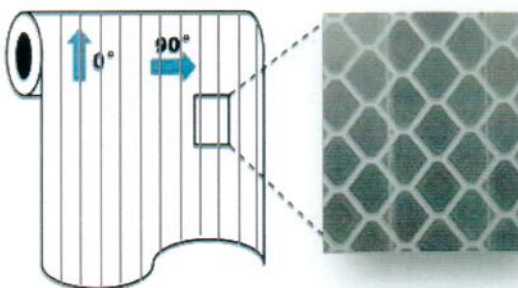
White	Yellow	Orange	Blue	Green	Red	F.Yellow	F.Y.green	F.Orange
								
RS-7000	RS-7001	RS-7002	RS-7003	RS-7004	RS-7005	RS-7011	RS-7012	RS-7013

Physical Properties

Minimum Life Expectancy	10 years (3 years for orange)
Shelf Life	1 years when stored at the following temperature and conditions 18°C~24°C and 30%~50% R.H
Application Surface	Flat surfaces only. Not recommended for unpainted stainless steel. Always pretest your specific substrate prior to application.
Other Tests	RS-7000 Series meets all other requirements set forth in ASTM D 4956 including Shrinkage, Flexibility, Liner removal, Adhesion, Impact resistance and Artificial Accelerated weathering. (Types IX)

Sealing Pattern and Application Directions

NTECH RS-5000T is 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°)

※ It is recommended to use horizontal direction: vertical

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Technical Data

RS-7000 Series meets the following ASTM D 4956 specifications for Type IX

ASTM D 4956 Type IX		Minimum coefficient of retroreflection (R_A) cd/ft ² (cd·lx ⁻¹ ·m ⁻²)								Daytime Luminance Factor (Y%)	
		0.1°		0.2°		0.5°		1.0°		Minimum	Maximum
Observation Angle		-4°	30°	-4°	30°	-4°	30°	-4°	30°		
Entrance Angle											
White	RS-7000	660	370	380	215	240	135	80	45	27	-
Yellow	RS-7001	500	280	285	162	180	100	60	34	15	45
Orange	RS-7002	250	140	145	82	90	50	30	17	10	30
Blue	RS-7003	30	17	17	10	11	6	3.6	2	1.0	10
Green	RS-7004	66	37	38	22	24	14	8	4.5	3.0	12
Red	RS-7005	130	74	76	43	48	27	16	9	2.5	15
F.Yellow	RS-7011	400	220	230	130	145	81	48	27	40	-
F.Y/Green	RS-7012	530	300	300	170	190	110	64	36	60	-
F.Orange	RS-7013	200	110	115	65	72	41	24	14	20	-

Color Specification Limits (Daytime)

Daytime Color		1		2		3		4	
		x	y	x	y	x	y	x	y
White	RS-7000	0.303	0.300	0.368	0.366	0.340	0.393	0.274	0.329
Yellow	RS-7001	0.498	0.412	0.557	0.442	0.479	0.520	0.438	0.472
Orange	RS-7002	0.558	0.352	0.636	0.364	0.570	0.429	0.506	0.404
Blue	RS-7003	0.140	0.035	0.244	0.210	0.190	0.255	0.065	0.216
Green	RS-7004	0.026	0.399	0.166	0.364	0.286	0.446	0.207	0.771
Red	RS-7005	0.648	0.351	0.735	0.265	0.629	0.281	0.565	0.346
F.Yellow	RS-7011	0.479	0.520	0.446	0.483	0.512	0.421	0.557	0.442
F.Y/Green	RS-7012	0.387	0.610	0.369	0.546	0.428	0.496	0.460	0.540
F.Orange	RS-7013	0.583	0.416	0.535	0.400	0.595	0.351	0.645	0.355