

### *Description*

MNTech Global's RW-3000 Series reflective sheeting meets AS/NZS 1906.1 Class1(WZ) Standards.

It is manufactured in a eco-friendly way compare to the glass bead sheet, offering good visibility to drivers.

### *Standard*

| Standard      | Table      | Remark                |
|---------------|------------|-----------------------|
| AS/NZS 1906.1 | Class1(WZ) | Australia New Zealand |

### *Construction*

|              |   |
|--------------|---|
| Surface Film | High-gloss Poly-Carbonate Retro-reflective Film with Micro prisms |
| Adhesive     | Permanent Pressure Sensitive                                      |
| Liner        | Polypropylene Film  |
| Colors       | White, Yellow   |

### *Property*

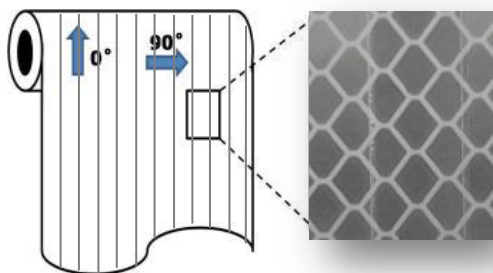
- √ 2 times greater than glass bead sheeting in terms of reflectivity.
- √ No direct-dependent type
- √ Vivid color and high day-time reflectivity (Y)
- √ Wide variation of color and possible to do silk screen

### *Physical Properties*

|                     |  |
|---------------------|--|
| Storage period      | 1 year when stored at the following temperature and conditions<br>18°C~24°C and 30%~50% R.H                                      |
| Application Surface | Flat surfaces only. Not recommended for unpainted stainless steel. Always pre-test your specific substrate prior to application. |

### Sealing Pattern and Application Directions

MNTECH RS-3000 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

RW-3000 Series meets the following AS/NZS 1906.1 specifications for Class1(WZ)

#### Minimum coefficient of retro-reflection ( $R_A$ ) cd/fc/ft<sup>2</sup> ( $cd \cdot lx^{-1} \cdot m^{-2}$ )

| Observation Angle | 0.2° |     |     | 0.33° |     |     | 0.5° |     |     | 1.0° |     |     |
|-------------------|------|-----|-----|-------|-----|-----|------|-----|-----|------|-----|-----|
|                   | 4°   | 15° | 30° | 4°    | 15° | 30° | 4°   | 15° | 30° | 4°   | 15° | 30° |
| White RW-3000     | 250  | 210 | 175 | 170   | 160 | 100 | 95   | 90  | 70  | 10   | 10  | 9.0 |
| Yellow RW-3001    | 175  | 145 | 120 | 120   | 110 | 70  | 66   | 62  | 50  | 7.0  | 7.0 | 6.0 |

#### Color Specification Limits (Daytime)

| Daytime Color  | Color Specification Limits (Daytime) |       |       |       |       |       |       |       | Daytime Luminance Factor (Y) |      |
|----------------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|------------------------------|------|
|                | 1                                    |       | 2     |       | 3     |       | 4     |       | Min.                         | Max. |
|                | x                                    | y     | x     | y     | x     | y     | x     | y     |                              |      |
| White RW-3000  | 0.355                                | 0.355 | 0.305 | 0.305 | 0.285 | 0.325 | 0.335 | 0.375 | 0.27                         | -    |
| Yellow RW-3001 | 0.465                                | 0.534 | 0.427 | 0.483 | 0.487 | 0.423 | 0.545 | 0.454 | 0.16                         | -    |