

Refractive glass beads

1. Product Overview

The glass beads for road marking paint is sprayed on the surface of the paint when the paint for the road marking is applied. It is the product that allows the driver to recognize the line more easily at night through the retroreflection.

2. Product Characteristics

- Provides retroreflective performance by excellent transparency and full spherical..
- Excellent adhesion with paint.
- It is chemically safe, has no impact on the product, and has high heat resistance..

3. Recommended use

- Spraying on the road marking paints
- Ingredient material of thermoplastic paint

4. Size distribution

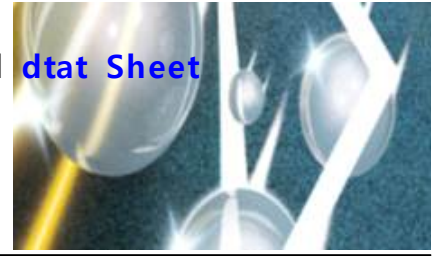
Type	unit	Size (μm)						
		850 ~ 600	600 ~ 300	300 ~ 106	150 이하	1700 이상	1700 ~ 1400	1400 ~ 850
TYPE 1	%	5~30	30~80	0~5	-	-	-	-
TYPE 2	%	-	40~90	-	0~5	-	-	-
TYPE 3	%	0~30	-	-	-	0~10	1~35	30~95

5. Performance(Refractive index)

Type	Class 1	Class 2	Class 3
Refractive index	1.50 ~ 1.64	1.65~ 1.80	1.80 ≥

This data is based on theory and experience in the laboratory and can be changed without prior notice due to continuous improvement of our quality. The amount of use may vary depending on site conditions (climate, working methods, road conditions, etc.).

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6. Recommended

Type		Recommended paint	Application
KS L 2521	Class 1 / Type 1	Waterborne / Thermoplastics	manual and spray
	Class 1 / Type 2	Air drying type / Hot spray type	manual and spray
SWARCOLUX50 TYP I T14	Class 1 / Type 1	Waterborne / Thermoplastics	manual and spray
SOLID PLUS 100	Class 2 / Type 1	Waterborne / Thermoplastics	manual and spray
SOLID PLUS10 T18	Class 1 / Type 3	Coldplastics	manual and spray

※ The retroreflective performance may vary depending on the degree of embedding of the glass beads. Therefore, appropriate glass beads should be used depending on the type of paint so that it can be buried at 50 ~ 60%.

7. Cautions on construction

- The retroreflective performance may vary depending on the kind of glass beads and the amount of the glass beads applied. Please observe the kind of the glass beads and the amount of application as suggested by the manufacturer.
- Adjust the glass beads spraying time after applying the paint according to the drying conditions of the paint.
- It is recommended to spray with a mechanical application that uniform amount is sprayed when spraying the glass beads.
- In case of manual application, spray the glass beads uniformly at 30 ° to 45 ° angle before the paint dried.
- If the degree of embedding of the glass beads is excessive, the initial retroreflective performance may decrease and the visibility may deteriorate.
- If the degree of embedding of glass beads is insufficient, the adhesion to the paint may be reduced and came away from the paint.

8. Cautions on handling

- If this glass beads spills onto the road or floor, it is very slippery. Please remove it immediately.
- Do not use sharp tools when handling.
(Vinyls that prevent moisture penetration inside the packaging bag may be damaged.)
- Avoid direct sunlight, high temperature and high humidity during the storing.
(Exposure to rain or moisture can cause agglomeration.)
- Select the suitable product for application.
- There are no hazardous, but keep out of reach of children.
- This product may heavier than expected when transporting and handling, please carry it in the proper amount and position.
- Seal the remaining amount for prevent exposure to moisture.
- Do not illegally throw away packing bag. Packing bag can be a cause of environmental pollution.

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