



Landscapus INC
Products Manual

All Weather High Reflective Glass Bead

(Special Glass Beads For Raining Night Road Marking)

Normal grade glass beads like 1.5 index works well and it has good reflective result in the night time without raining. But in Wet Raining Night, it will be dark...

Landscapus Inc has a solution for this...

Application

- (1) Hot-Melt Coating
- (2) Double Component Coating
- (3) Water Borne Paint

Characteristics

- (1) High Reflective Index in Wet Raining Night
- (2) High Retro-reflective more than 350mcd while Durability Of Retro-reflective is more than 150mcd after 1 year
- (3) Appearance: All Colors Available: Green, Blue, Red, Yellow, Silver, White
- (4) Retro-Reflective index is 350 in dry condition and more than 250mcd in wet raining night.
- (5) Gravity: 2.4-2.5g/cm³
- (6) Road Marking Line Consumption per Square Meter: 180grams (half of 1.5 index glass beads)
- (7) Chemical Composition: TiO₂ BaO SiO₂ ZrO₂
- (8) Size: 0.6-1.2mm



Landscapus Inc, Your Reliable Partner

Wet Night Glass Beads For Road Marking

We can combine different kinds of small & large sizes glass beads with 1.6, 1.7, 1.93, 2.2 index perfectly. This kind of glass beads can get very good reflective result in wet-night.



The effect of retroreflection works perfectly under dry conditions.



However, when it is raining at night, retroreflection with conventional glass beads is reduced to almost zero.



Landscapus

has a solution for this problem

Micron	Passing
1700	100%
1400	95-100%
1180	80-95%
1000	10-40%
850	0-5%
710	0-2%



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Wet Night Glass Beads For Road Marking

Physical & Chemical Properties

Item	Standard
Appearance	Outer clean and transparent, without visible bubble and impurity.
Density	2.4-2.6 g/cm ³
Proportion of Ball Fleck	>80%
Refractive Index	1.5 Min.
Composition	SiO ₂ content >70%

AASHTO Type 3, 4, 5

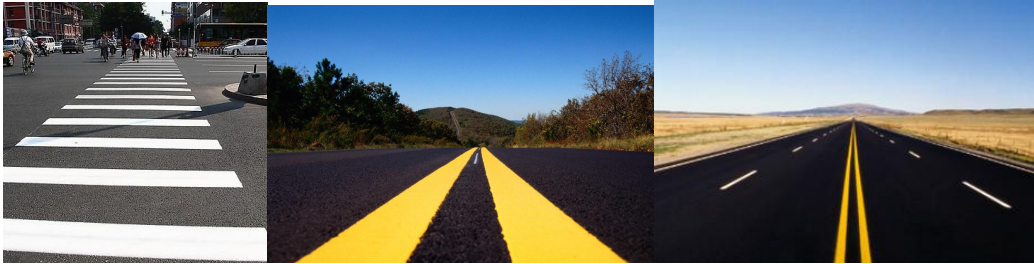
>1700	0
1400-1700	0-5
1180-1400	0-10
1000-1180	40-85
850-1000	5-40
<850	0-5
>2000	0
1700-2000	0-5
1400-1700	0-20
1180-1400	40-85
1000-1180	5-40
<1000	0-5
>2350	0
2000-2350	0-5
1700-2000	0-10
1400-1700	40-85
1180-1400	5-40
<1180	0-5

Australia / New Zealand

Sieve size	% Passing
<u>µm</u>	Grade D
1700	100
1400	95-100
1300	
1180	80-95
1000	10-40
850	0-5
710	0-2

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1.6 Index High Light Glass Beads

Name of commodity:	Glass Bead For Road Marking
Manufacturer:	Landscapus Inc
<u>PROPERTIES</u>	
<p>Technical details:</p> <p>A Outer clean and transparent, without visible bubble and impurity.</p> <p>B Specific density: 2.77g/cm³</p> <p>C Index of refraction: Nd.=1.6</p> <p>D Content of SiO₂: 58-61%</p> <p>E Content of BaO₂: 10%</p> <p>F Spherical beads: 90%</p>	
<u>USE</u>	
<p>Reflective glass beads, these beads are especially made for use in all kinds of road marking paints to provide excellent night retro-reflective.</p>	
<p>STANDARDS</p> <p>GB/T24722-2009</p> <p>BS 6088-1981 Class A / BS 6088-1981 Class B (British Standard)</p> <p>EN 1423-1998/ EN 1424-1998 (European Nations)</p> <p>AASHTO Type I / AASHTO Type II / AASHTO Type 3 / AASHTO Type 4 / AASHTO Type 5</p> <p>MOT Intermix / MOT Drop On (Ministry Of Traffic Of Saudi-Arabia)</p> <p>KSL 2521 Standard (Korean Standard) / JIS R3301 / CNS4342 /</p> <p>French Standard (NF standard)</p> <p>AS/NZS 2007 (Australia Standard/ New-Zealand Standard)</p> <p>Canada Standard</p> <p>TT-B-1325C Type 1, Type 3, Type 4</p> <p>Colombia Standard...</p>	
<u>PACKING</u>	
<p>N.W.: 25kgs/PP WOVEN BAG, 25kgs/PAPER BAG</p> <p>1000-1200KGS/BULK BAG</p>	
	

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