



Landscapus INC
Products Manual

Airport Marking Glass Beads

Airport pavement markings on runways, taxiways and ramps play an important role in preventing often serious accidents and incursions by guiding airport traffic safely between the air, runways, and parking gates.

TTB-1325D Type I (Gradation A)

1.5 Index glass beads for drop-on applications. The sizing and quality is similar to typical traffic safety and highway markings.

TTB-1325D Type III

1.9 Index glass beads for drop-on applications produces a narrow cone of light due to higher refractive index. Because of their relatively high costs, typically limited to marking airport runways only.

TTb-1325D Type IV (Gradation A & B)

Premium quality, large 1.5 Index glass beads for drop-on application. The larger gradation size, higher percentage roundness (+85%), smooth surface and hardness qualities enhance the long-term reflective performance of airport markings even under wet / night conditions.

U.S. Sieve #	Microns	Type I				Type III		Type IV			
		A		B		Min	Max	A		B	
		Min	Max	Min	Max			Min	Max	Min	Max
12	1700	---	---	---	---	---	---	100	---	100	---
14	1400	---	---	---	---	---	---	95	100	---	---
16	1180	---	---	---	---	100	---	80	95	95	100
18	1000	---	---	---	---	---	---	10	40	---	---
20	850	100	---	---	---	95	100	0	5	35	70
30	600	80	100	---	---	55	75	---	---	0	5
40	425	---	---	---	---	15	35	---	---	---	---
50	300	18	35	---	---	0	5	---	---	---	---
70	212	---	---	100	---	---	---	---	---	---	---
80	180	---	---	85	100	---	---	---	---	---	---
100	150	0	10	---	---	---	---	---	---	---	---
140	106	---	---	15	55	---	---	---	---	---	---
200	75	0	2	---	---	---	---	---	---	---	---
230	63	---	---	0	10	---	---	---	---	---	---

Gradation, percent by weight, passing

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 nigh 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

Combined Glass Beads For Road Marking

We can combine different kinds of small & large sizes glass beads with 1.55, 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%



Landscapus Inc, Your Reliable Partner



Landscapus Inc

Your Reliable Partner

Know More From Our Website



Add : 1-909, Xuanlifang,
Shunyi, Beijing, P.R. China
Tel : +86 10 61428699
Fax : +86 10 69450772
Email : marketing@landscapus.com
Web : www.landscapus.com