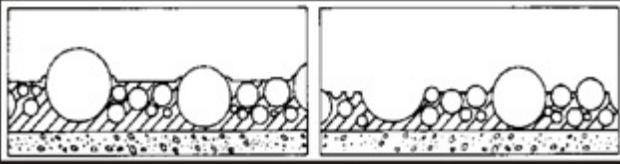


AUTOLUX DROP-ON GLASS BEADS



Newly painted line

Line after wear

GLASS BEADS FOR EVERY HIGHWAY NEED

Horizontal painted pavement marking visibility at night can only be achieved by the application of tiny glass beads onto the surface and incorporated within the pavement marking material. These beads (safety marking spheres) are manufactured in a full range of sizes and are available for all pavement marking systems.

EXCELLENCE IN QUALITY

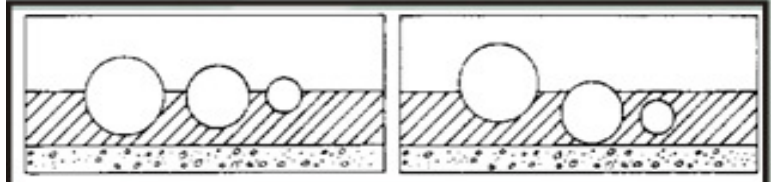
Autolux Safety Marking Spheres meet exacting specifications for roundness, cleanliness, clarity, uniformity of size gradation and refractive index. Autolux beads are produced to meet individual specifications, using uniformly high quality materials and the newest, most modern and environmentally friendly designed equipment. Each batch is carefully checked by Quality Control Staff to ensure it conforms to ISO 9001- 2015 Standards in quality.

BEAD GRADATION

Glass spheres are graded in precise size ranges to optimise reflective performance throughout the life of the line. As markings wear under traffic flow, some spheres are dislodged allowing previously covered spheres to become exposed and act as reflective elements.

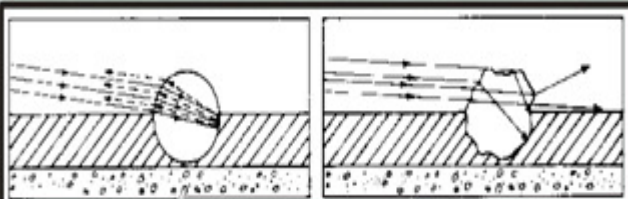
ROUNDNESS

Optimum retro-reflection requires true round spheres. Non-round spheres do not reflect light efficiently but scatter it in random directions. Strict quality control is necessary to ensure correct amounts of true round spheres.



Proper Embedment

Improper Embedment



Light returned by true round spheres

Light scattered by non-round spheres

VISIBILITY FOR ALL DRIVING CONDITIONS

Autolux has developed the range of glass bead products. These beads provide wet-night visible markings even during heavy rainfall. Autolux are available in conventional glass, with a refractive index of more than 1.5, this glass bead product delivers a much greater level of retroreflectivity (night time visibility) in both dry and wet-night conditions

TECHNICAL DATA SHEET FOR 'AUTOLUX' DROP-ON GLASS BEADS (TYPE-B) AS PER BS 6088 SPECIFICATIONS

SIEVE SIZE	REQUIREMENT AS PER BS 6088 (PERCENT RETAINED)	AUTOLUX RESULT
850 microns	0 to 5% by mass	0 to 2%
600 microns	5 to 20% by mass	8 to 14%
300 microns	30 to 75% by mass	55 to 70%
180 microns	10 to 30% by mass	12 to 18%
Below 180 microns	0 to 15% by mass	0 to 5%
Roundness percent by mass	Minimum 70%	79 to 82%
Refractive Index	Minimum 1.50	>1.5
Free Flow Properties	The glass beads shall be free from hard lumps and clusters and shall pass the free flow test	Passes the Test

Note :- Automark Technologies (India) Pvt. Ltd., hereby confirms that the Glass Beads (Type-B) complies with MORTH requirements.

 **automark technologies (India) Pvt. Ltd.**



ISO 9001:2015
COMPANY