

## POTTERS STARLITEBEAD 1000 MICROSPHERE - TECHNICAL SPECIFICATIONS

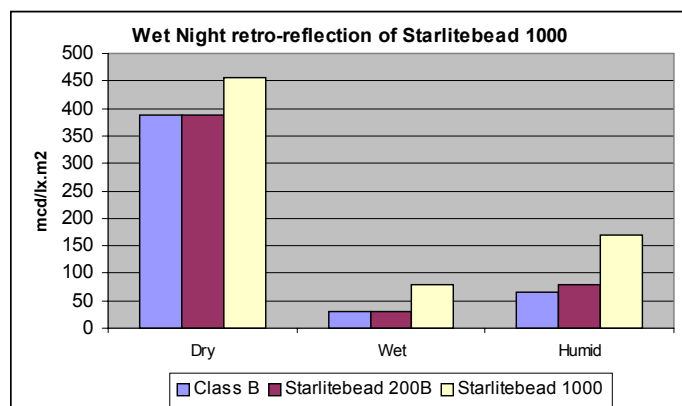
*Potters Starlitebead® Safety Spheres are the next generation of very high performance quality glass bead, which are ideal for road safety marking.*

With the introduction of the new European Legislation EN1436, the supply of superior performing microspheres is becoming the norm. Manufactured from high quality glass our state-of-the-art beads have been designed to provide significant improvements to road safety.

### ■ SUPERIOR RETRO-REFLECTIVE PERFORMANCE

Due to their high levels of transparency and superior optical properties, the Starlitebead creates levels of retro-reflection without equal. It offers significant increases in road marking visibility even in the most extreme driving conditions including increased wet night visibility.

Starlitebead are manufactured in accordance with ISO 9002 quality standards and are tested to conform to the EN 1423 norm. In addition they have been certified under numerous European Road Authority specifications.



### ■ REFRACTIVE INDEX

Starlitebead Safety Spheres have a refractive index of at least 1.54, which is higher than the conventional glass beads index of 1.50

### ■ SPHERICITY

Minimums of 92% of Starlitebead Safety Spheres, tested in accordance with EN 1423 are spherical.

### ■ COATINGS

A range of adhesion coatings is available, to improve the durability of the Starlitebead Safety Spheres in particular binder systems.

This is particularly important in the case of larger beads, which require a strong bond with the binder material in order to remain adhered to the line to maintain the retro reflectivity. Potters Europe can give advice on the best coating for a particular binder and/or application.

### ■ SIZE DISTRIBUTION

Sieve Size	% Cumulative Retained
1700 microns	0 to 2%
1400 microns	0 to 10%
1180 microns	5 to 25%
1000 microns	60 to 100%
850 microns	95 to 100%

### ■ ANTI-SKID

The Starlitebead can be used with any type of anti-skid aggregates. A specific range of glass grains has been designed to provide unique performances when combined with the Starlitebead beads.

### ■ APPLICATION

Starlitebead are recommended for use as premix glass beads in thick road marking materials. They provide both a longer lifetime of the retro-reflectivity and extended durability of the binder.

**For further information about the superior performances of Starlitebead Safety Spheres and advice on how best to use them with particular binder systems, contact:**

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