



PREMIUM HIGHWAY



SAFETY MARKING SPHERES

IMPROVED PERFORMANCE FOR TODAY'S MARKING SYSTEMS



Potters Industries Inc.
an affiliate of PQ Corporation

DEFINING THE LINE FOR HIGHWAY SAFETY



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Potters Premium Highway Spheres— Larger in Size for Greater Retroreflectivity

At approximately twice the size of Standard Highway Safety Spheres, Potters Premium Highway Safety Marking Spheres provide improved retroreflectivity when specified at the same rounds percentage.

The typical size range for Potters Premium Highway Safety Marking Spheres is between 20 and 50 mesh (850 and 300 microns). Roundness, as measured by ASTM D-1155, can be 70% or 75% overall by sieve size.

Retroreflective pavement markings have been proven to increase highway safety by delivering continuous roadway guidance to drivers.

Potters Premium Spheres are highly durable and consistent in quality and composition. They meet or exceed every standard in effect in the United States today.

Strict quality control produces truly round spheres that optimize retroreflectivity. A variety of proprietary coatings provide increased resistance to agglomeration due to moisture, to ensure flotation for ideal embedment and improved adhesion for greater durability.

Premium spheres may be applied as a drop-on in all commercial binder materials, including waterborne paint, epoxy, polyester, thermoplastic, PMMA and polyurea. They may also be incorporated as an intermix into thicker binders, such as thermoplastic and PMMA.

Potters' VISIGUN® safety marking sphere dispenser is designed for optimal application of any type of safety marking sphere. Premium Highway Safety Marking Spheres may also be applied using other commercial sphere application devices.

Potters Premium Spheres: Facts and Figures

Size: 20–50 mesh (850–300 microns); a range of sizes offsets the effects of traffic and binder degradation.

Compatible binders: waterborne or solvent-based paint, epoxy, polyester, thermoplastic, PMMA and polyurea.

Standards: Spheres can be supplied to meet state specifications for gradation (size), roundness and coatings. Standard Highway Marking Spheres meet or exceed every standard in effect in the United States today, including the U.S. Department of Transportation Federal Highway Administration's FP-03 specifications.

Typical Premium Bead Size

U.S. Mesh Size	Millimeters	Mass % Retained
20	0.850	3–10
30	0.600	20–40
40	0.425	30–50
50	0.300	15–35
80	0.180	0–10

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