

Ennis-Flint Reflective Glass Beads

PRODUCT DATA

Product Type: **S100 Standard** (Formerly Lux®)
Product Code:
Product Color: Clear
Specification: Meets Glass Bead Spec Small / Type 1
(see additional list below)
Effective Date: 05/20/15

Product Description:

S100 glass beads for pavement markings are standard beads for economical applications made from 100% recycled glass.

Recommended Applications:

- Premix applications
- Can be applied with standard road marking equipment

Packaging:

50 lb. bags, 2000 lb. boxes, or super sacks @ 2000 lbs., 2200 lbs., and 2400 lbs.

Storage:

Store at room temperature.

Store in a dry place.

Very slippery when spilled, pick up immediately.

This product is primarily engineered for pavement and or runway markings, and is not intended for use in humans.

Roundness:

70% up to 85% true spheres, as based on customer specification requirements.

Dangerous Substances:

None. Heavy Metals testing as required. Meets and or exceeds all MAP-21 requirements.

Similar Specifications:

AASHTO M247 Type 1 Spec
FL Type 1 Spec
GA Small Spec
AL Small Spec
CT Small Type 1 Spec
Caltrans 8010 Spec
IL Type 1 Spec
MD Standard Small Spec
Ontario OPSS-1750 Spec
SC Small Spec
NC Small Spec
NJ Small Spec
TT-B-1325 D Type 1A, 1B
VA Type 1 Spec
NY Small Type 2B Spec
WI Small Type 1 / WI Epoxy Spec

Chemical Composition (by weight)

Silica (SiO ₂)	62-75%
Aluminum Oxide (Al ₂ O ₃)	0-5%
Calcium Oxide (CaO)	6-17%
Magnesium Oxide (MgO)	1-5%
Sodium Oxide (Na ₂ O)	10-20%
Iron Oxide (Fe ₂ O ₃)	<0.8%

Physical Properties

Specific Gravity	2.48-2.52 g/cm ³
Softening Temperature	650°C
Coefficient of Thermal Expansion	90 x 10 ⁻⁷ /°C (30-300°C)
Strength	60,000 to 65,000 psi.
Vicker Hardness	756,250 psi
Refractive Index	1.50 to 1.55 (nD)

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