

ΥΑΛΟΣΦΑΙΡΙΔΙΑ ΔΙΑΓΡΑΜΜΙΣΗΣ WEISSKER®

Lux® GLASS BEADS

Weissker's standard Lux® GLASS BEADS are high quality glass beads available in size range from 63 to 850 μm in diameter. The Weissker Lux Glass Beads are of a consistent quality with good reflectivity and low gas & air inclusion. Weissker uses an advanced coating system technology which provides for high level adhesion to the road marking materials.

Weissker's Lux® GLASS BEADS comply with various quality and production standards such as GOST R 51256, GOST R 52289, EN1423 and EN1424. The product is commonly used for both premix as well as for sprinkling on marking application on the road surface (drop on).

Conformity to	EN 1423, EN 1424, ISO 9001:2000, EC- CERTIFICATE OF CONFORMITY
Granulometry Range of glass beads diameter Samples of basic gradations	63 -1100 (microns) 63 -212 (microns) 400-850 (microns) 100-600 (microns) 180-850 (microns) 125-710 (microns)
Chemical composition, %	Silicon oxide - 72,1 Calcium oxide - 6,0 Sodium oxide - 15,0 Aluminum oxide - 2,2 Ferric oxide - 0,2 Magnesium oxide - 4,0 Sulfur oxide - 0,5 Dangerous substances (lead, arsenic, antimony) - none
Refractive index	≥1,50
Maximum weighted % of defective glass beads	20
Maximum weighted % of grain and foreign particles	3
Resistance to water, hydrochloric acid, calcium chloride, sodium sulfide	Resisting
Surface treatment of glass beads	Uncoated (G) Waterproof coated (Silicon) (W) Embedment coated (Silan, Adhesion) (H) Blend waterproof and embedment coating (HW)
Packing	Paper bags 25kg Big-bags 500 kg and 1000 kg.

UltraLux® Glass Beads

UltraLux® GLASS BEADS are high performance beads ranging in size from 600 µm to 2000 µm in diameter

- Weissker's method of Ultralux glass beads production out of virgin glass provides for the highest product quality.
- The special coating process complies with the highest requirements of the road marking industry.
- The great quality of the virgin glass beads provides an increased level of retro-reflectivity and road safety.

UltraLux® GLASS BEADS offer much higher levels of reflectivity when compared to the Lux beads due to their larger size, higher rounds and special glass composition, particularly important for wet night conditions.

UltraLux® GLASS BEADS possess the superior adhesive properties to the various binding materials, and are widely used in different marking systems (water- and solvent based paints, two component systems, alkyd- and resin-based thermoplastics)

UltraLux® GLASS BEADS are one of the most cost effective and long lasting ways to increase highway safety.

Conformity to	EN 1423, EN 1424, ISO 9001:2000, EC- CERTIFICATE OF CONFORMITY
Granulometry Range of glass beads diameter Samples of basic gradations	600 -2000 (microns) 800 -1200 (microns) 850 -1180 (microns) 800 -1300 (microns) 600 -1300 (microns) 600 - 850 (microns) 1000-1180 (microns)
Chemical composition, %	Silicon oxide - 64,5 Calcium oxide - 16,7 Sodium oxide - 16,7 Aluminum oxide - 2,1 Dangerous substances (lead, arsenic, antimony) - none
Refractive index	≥1,50
Maximum weighted % of defective glass beads	15
Maximum weighted % of grain and foreign particles	3
Resistance to water, hydrochloric acid, calcium chloride, sodium sulfide	Resisting
Surface treatment of glass beads	Uncoated (G); Embedment coated (Silan, Adhesion) (H).
Mix of glass beads and additives	Antiskid additives (D); Antiskid aggregates (A)
Packing	Paper bags 25kg Big-bags 1000 kg

DuoLux® Glass Beads

A blend of Weisskors Lux® GLASS BEADS and UltraLux® GLASS BEADS is used to gain improved reflectivity on thin-layered road marking. The so called DuoLux® beads can be manufactured and blended according to the customer demands and material and technical requirements.

Conformity to	EN 1423, EN 1424, ISO 9001:2000, EC- CERTIFICATE OF CONFORMITY 125 -1250 microns
Granulometry Range of glass beads diameter	Sieve, micron Total segregated mass, % 1250 0-2 1000 5-15 850 10-30 600 20-50 425 40-80 250 70-100 160 80-100 100 95-100
Chemical composition, %	Silicon oxide - 72,1 Calcium oxide - 6,0 Sodium oxide - 15,0 Aluminum oxide - 2,2 Ferric oxide - 0,2 Magnesium oxide - 4,0 Sulfur oxide - 0,5 Dangerous substances (lead, arsenic, antimony) - none
Refractive index	≥1,50
Maximum weighted % of defective glass beads	20
Maximum weighted % of grain and foreign particles	3
Resistance to water, hydrochloric acid, calcium chloride, sodium sulfide	Resisting
Surface treatment of glass beads	Embedment coated (Silan, Adhesion) (H)
Packing	Paper bags 25 kg Big bags 1000 kg