

GLASS BEADS - INDUSTRIAL

TRADE NAME

STARBEAD INDUSTRIAL BEADS

DESCRIPTION

Starbead® are high quality glass micro spheres resulting from the specialised processing of selected glass cullet.

FUNCTION

Starbead® is a versatile blasting media used in a variety of applications.
Finishing: Used on a wide range of materials including metal, glass, plastic and rubber. The smaller the glass spheres, the smoother the textured surface.
Cleaning: Glass Bead blasting removes/cleans foreign substances from the surface without a dimensional change to the surface.
Deburring: Glass Bead blasting removes burrs, feathered edges, from parts in a precision operation. Corners and edges must be deburred with precision to assemble and operate properly. Glass Bead blasting guarantees that no base metal from the surface is removed.
Peening: Peening with Glass Bead is a low-cost form of creating a uniform surface layer of compressed stress in alloy substances. Peening acts to combat stress cracks and corrosion, resulting in increasing the life of metal parts.

**TYPICAL CHEMICAL ANALYSIS
(full analysis on application)**

SiO₂ 72.55% (no free silica)
 Al₂O₃ 0.5 - 2%
 K₂O 0.88%
 Na₂O 13.78%
 CaO 7.02%
 Fe₂O₃ 0.18% MgO 3.02%

TECHNICAL DATA

Hardness 6-7 Moh scale
 Specific weight 2-3
 Average bulk density 1.6 kg/l
 Free silica None
 Shape Round
 Storage Dry, sheltered storage conditions
 Packaging 25 kg bags, palletised

SIEVING RANGE



CODE	SIZE RANGE (micron)	PERFORMANCE CHARACTERISTICS
BL	400 – 800	Used for the cold working of metal surfaces as well as for general clearing.
C	200 – 400	
AB	200 – 300	
AC	150 – 250	Peening with glass bead abrasive material provides the right balance of stress relief without over-stressing and causing damage.
AD	100 – 200	
AF	70 – 150	
AG	50 – 100	Can be recycled up to 30 times.
AH	40 – 70	
AQ	1 – 50	