

# CCS BRIGHTBLAST™ GLASS BEAD

## DESCRIPTION

BrightBlast™ Glass Bead is a unique and popular air blasting media widely used for cleaning, conditioning or peening metallic surfaces. The product can also be used as a slip resistant agent in urethane and epoxy coatings.

BrightBlast™ is manufactured from high-grade crushed and sized glass cullet. The cullet is melted to a spherical shape and annealed to equalise internal stresses and resist fracture.

These non-abrasive, clear, transparent spheres function without particle embedment, pick-up, contamination or other damage to the surface under treatment.

Depending on the size and operating parameters selected, BrightBlast™ produces a surface finish ranging from fine matte to bright satin. Decorative and special effects on surfaces may easily be achieved by masking and blasting surfaces with BrightBlast™.

The inherent characteristics of BrightBlast™ Glass Beads permit cleaning and deburring of critically toleranced parts without removing any base metal – thereby preserving the critical tolerances.

In addition, the inherent strength of glass beads is such that it can survive multiple impacts, making it an ideal abrasive for use in blasting equipment fitted with recycling facilities.

## RECOMMENDED USES

BrightBlast™ Glass Beads are widely utilised in peening applications to impart a layer of compressive stresses on components exposed to cyclical loadings and containing residual tensile stresses.

The use of BrightBlast™, to peen the component, reduces the risk of failure due to fatigue stress or stress corrosion cracking.

Being chemically inert, and non-toxic, BrightBlast™ will not leave any undesirable or ferrous residue on blasted surfaces and uncontaminated spent media is environmentally harmless.

## PACKAGING

BrightBlast™ Glass Bead is available in 25kg bags.  
One Tonne Pallet = 40 x 25kg Bags.

### PLEASE NOTE

The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, inadequate preparation, inexpert or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.

## PERFORMANCE PROPERTIES

Shape	Spherical	Basic Material	Soda Lime Glass
Hardness (Moh)	5.5	Roundness %	Min 70
Bulk Density (kg/m <sup>3</sup> )	1500	Broken particles %	Max 3 by count
Particle S.G.	2.45-2.5	Free Silica %	0
Colour	Clear Glass	Size Standard	ASTM

## STORAGE

Store in a cool dry area.

For further information consult the Safety Data Sheet and read the product label carefully before use. Safety Data Sheets are available from [www.concretecoloursystems.com.au](http://www.concretecoloursystems.com.au) or by calling 1800 077 744.

## User Responsibility-Product Selection and Compatibility

CCS warrant that their manufactured product is free from defects as well as being suitable for the purpose for which it is intended as long as it has been used and applied in accordance with the most current Technical Data Sheet from CCS.

In practice, differences in materials, substrates and actual site conditions require an assessment of product suitability for the intended purpose.

The user is responsible for checking the suitability of products for their intended purpose.

Further, combinations of products that form a total system are often required to service particular applications. Due to the multitude of products available to service an application, only products from the CCS system of products must be used in combination with this product to ensure it will be suitable for the purpose for which it is intended.

The product must also not be mixed or used in combination with any other product which is not a product supplied by CCS.



CONCRETE®  
COLOUR  
SYSTEMS

A Division of River Sands Pty Ltd

BRISBANE (HEAD OFFICE)  
Cnr Riverland & Monte Khoury Dr, Loganholme Qld 4129

Ph 1800 077 744 | (07) 3412 8111  
[helpline@concretecoloursystems.com.au](mailto:helpline@concretecoloursystems.com.au)  
[www.concretecoloursystems.com.au](http://www.concretecoloursystems.com.au)