

# ECHOSTAR 10 GLASS BEADS

850-125µm TYPE I GLASS BEADS




The Echostar 10 glass beads are high performance beads with a very high physical and chemical resistance and have excellent retro-reflectivity due to a high quality manufacturing process ensuring over 80% bead roundness. Echostar 10 is a Type 1 bead which is designed to provide retro-reflectivity in dry conditions. The Echostar 10 beads are 850-125µm which is suitable for use on line marking material applications of at least 425µm DFT. There are a range of bead coatings available to ensure compatibility with solvent based paint, water based paint, cold plastic and thermoplastic. The beads are CE marked according to EN 1423.

## FEATURES AND BENEFITS

- High retro-reflectivity - over 80% roundness
- Suitable for use on applications at least 425µm
- Coatings available for a range of line marking products



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## APPLICATION:

Application should be made at a temperature no lower than 5°C. These beads must be applied immediately after the product has been applied, with suitable equipment. For best performance we recommend using a pressurised bead system to apply the beads. The dosage rate for type 1 beads is typically 350-450g/m<sup>2</sup>, however dosage rates do vary depending on what product the beads are being applied onto, refer to the relevant product technical data sheet for further dosage recommendations.

## TECHNICAL:

PARTICLE SIZE DISTRIBUTION:		850-125µm
Sieve (µm)	Accumulated retainment (%)	
1000	0-2	
850	0-10	
710		
600		
500	20-60	
425		
355		
300	45-85	
250		
212		
180	75-100	
150		
125	95-100	

Chemical composition: Soda lime glass  
 Roundness: >80%  
 Refractive index: Class A >1.5  
 Physical and Chemical resistance: In accordance to EN 1423

## AFTERCARE AND MAINTENANCE:

Sweep up excess beads and dispose of suitably.

## STORAGE AND PACKAGING:

### STORAGE CONDITIONS:

Storage area should be dry, protected from direct sunlight and extremes of temperature - i.e. between 5°C & 20°C.

### SHELF LIFE:

12 months when stored under cover, in original unopened containers, in accordance with Storage Condition guidelines listed above.

### SIZES AVAILABLE:

Supplied in 25kg bags.

## HEALTH AND SAFETY:

Familiarise yourself with the material safety data sheets before using this product. If you need a copy please call our technical team on **023 9220 0606**.

## CHOOSING THE RIGHT BEAD:

There are two key considerations when choosing what glass bead to use. These are the bead size and the bead coating. Echostar 10 beads are 850-125µm which are suitable for applications at least 425µm dry film thickness (DFT). Glass bead coatings affect both the adhesion and the flotation of the bead. It is important to use a bead coating which is designed for use with the product being applied otherwise the beads will not adhere or sink adequately into the product. The below table sets out which bead coating is compatible with each type of product:

PRODUCT TYPE	COATING TYPE	FULL NAME
Solvent Based Paints	SBP	Echostar 10 SBP Type 1 Glass Beads
Water Based Paints	WBP	Echostar 10 WBP Type 1 Glass Beads
Cold Plastic	BCP	Echostar 10 BCP Type 1 Glass Beads
Thermoplastic	TRM	Echostar 10 TRM Type 1 Glass Beads

Echostar 10 Beads are available as an anti-slip mix called SRT, for example: Echostar 10 SBP SRT Type 1 Glass Beads.

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