

# NIGHTGLO HR SERIES

## Glass Beads



### Product Description

The SWARCO NightGlo HR Series is a HIGH REFLECTIVITY glass bead product line engineered for superior night-time visibility in road markings.

These specialised glass beads are designed to exceed the performance of standard glass beads, offering significantly enhanced retroreflectivity, particularly in low-light and wet weather conditions.

The SWARCO NightGlo HR Series meets the stringent requirements of APAS 0042 and Australian Standard AS/NZS 2009, ensuring consistent quality and performance. Manufactured using high-grade raw materials and advanced beading technology, the SWARCO NightGlo HR Series is designed to work effectively with a variety of marking materials, including thermoplastic, waterborne paints, and cold plastic.

These beads deliver a durable and long-lasting reflective surface that maintains high levels of visibility even under the most challenging conditions.

### Key Features and Advantages

- **High-Performance Retroreflectivity:** Offers enhanced retroreflectivity for superior night-time visibility, ensuring maximum safety in low-light conditions.
- **High Durability:** Manufactured to provide a robust and durable reflective surface, maintaining high performance even under heavy traffic.
- **Versatile Application:** Suitable for use with a wide range of road marking materials, including thermoplastic, solvent-based paints, waterborne paints, and cold plastics.
- **Exceptional Wet Weather Performance:** Designed to perform exceptionally well in wet weather, maintaining visibility where standard glass beads fail.
- **Certified Quality:** Meets and exceeds the stringent requirements of Australian Standard AS 2009 and APAS 0042, with ISO 9001:2015 certification and NATA ISO/IEC 17025 accreditation.

## Specifications & Technical Data

| Property           | SWARCO NightGlo HR Series   |
|--------------------|---|
| Refractive Index   | $\geq 1.5$  |
| Retroreflectivity  | BHR & CHR $\geq 450$ mcd/lux/m <sup>2</sup><br>DHR $\geq 600$ mcd/lux/m <sup>2</sup><br>BHR Max $\geq 650$ mcd/lux/m <sup>2</sup> |
| Heavy Metals       | AS, PB, Sb $\leq 50$ ppm<br>Hg, Cr6+, Cd $\leq 10$ ppm  |
| Packaging          | 25kg bags and/or customised packaging   |
| Storage Conditions | Dry and sheltered; up to 24 months  |

## Installation & Surface Preparation

SWARCO NightGlo HR Series glass beads can be applied using standard highway marking equipment and specialised bead applicators.

### Application Conditions

- Surface and ambient temperatures should be above 10°C.
- Relative Humidity should be below 85%.
- Pavement surface must be dry and free of contaminants.

### Application Method

SWARCO NightGlo HR Series glass beads are versatile and can be used in both drop-on and premix applications.

They are compatible with various road marking materials, including thick film waterborne paints, polyester paints, thermoplastic, epoxy, and PMMA (cold applied plastic).

The advanced retroreflective properties make them particularly effective for enhancing visibility and safety, especially in adverse weather conditions.

## Safety and Handling

For industrial use only. Not for residential use.

Always review the Safety Data Sheet (SDS) before handling.

Store the product in a cool, dry place, and protect it from freezing.

Handle with appropriate personal protective equipment (PPE).

## Packaging and Storage

Available in 25kg bags and customised packaging to meet specific customer requirements. Store in a dry and sheltered environment, protected from moisture and extreme temperatures.

The product can be stored for up to 24 months in its original, sealed container.

## Warranty

SWARCO guarantees that the SWARCO NightGlo HR Series is manufactured to the highest standards. When applied according to instructions, it will perform as described.

This warranty covers material replacement only and excludes labour and any damages caused by improper application or surface preparation.

As conditions of use are beyond our control, SWARCO is not liable for any direct or consequential damages resulting from the use of this product.