

RESIDENTIAL
& COMMERCIAL

INDUSTRIAL
& MARINE

ART
& CRAFT

SHIMICOAT
SURFACE SOLUTIONS



Glass Beads

Slip Resistant Grits

Pack Sizes

Kit Sizes
1Kg
2Kg
4Kg
8Kg
20Kg



Grit Sizes & Slip Resistant Ratings:

Grit Sizes	Mesh Sizes	Micron	R Rating	P Code
Super Fine	150	100	R9	P2
Fine	100	150	R10	P3
Medium	80	180	R11	P4
Coarse	60	250	R12	P5
Super Coarse	40	400	R13	
Coarsest	20	600	R13+	Special Applications

Description

Shimicoat SlipResistant Glass Beads are high impact spherical granules of glass beads used to increase slip resistance on floors when used in conjunction with coatings materials such as Epoxy, Polyurethane, PolyAspartic, Acrylic, etc.

SHIMICOAT Glass Beads are:

- Spherical & Uniform
- High Impact SlipResistant
- Creating Safer Floors
- Economical

Ideally suitable for many applications such as special effect Flooring Systems, available in wide range of Grits and Micron sizes to assist you in creating Ultra Durable Floor Finishing Systems. High Impact Spherical Glass Beads can stand 2 Tones weight pressure equivalent to 2000PSI Pressure Compliance (Pound/Square Inch). Available in crystal clear the product is clean and bright and compatible with Epoxy, Polyurethane, PolyAspartic, Acrylic Sealer Resins.

 **MATERIALS**  **CHEMICALS**  **RESINS**  **EQUIPMENT**

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SHIMICOAT Slip Reducing Glass Beads are granulated product in various grit sizes and formulated to increase the slip resistance of most concrete surfaces, including stamped, stencilled, plain or polished concrete. It can also be used with any of SHIMICOAT resin systems such as Polyaspartic, Polyurethane, Epoxy and Sealers

SlipResistant Glass Beads is available in many grit sizes from Superfine to super Coarse for both common and specialized floors. SlipResistant Glass Beads is engineered to improve surface slip resistance property of the finish surface, and it is not an Anti-Slip or Non-Slip. It should not be expected to impart significant traction to an otherwise slippery substrate. Traction or Grip is greatly influenced by the underlying pavement and is usually affected by slope, moisture as well as texture. Helpful for Smooth finish concrete surfaces, mild steep and sloping driveways, pool surrounds, loading bays, stairs and access ramps, public building, hospitals, schools are just a few to mention.

Recommended Usage

SHIMICOAT Slip-Resistant Surface Solution

Method One:

Apply the basecoat and while still wet, scatter SlipRes to Grip Additive over the floor randomly and evenly at a rate of one handful (1Kg/10sqm). Continue rolling until uniform and seamless. Roller application will distribute and redeposit the spherical-granular glass beads evenly over the entire floor. Once Cured, apply thin layer of Ultra Clear Topcoat using roller. Lock in Grip with second coat.

Method Two:

Add into paint/resin in your mix at a rate of 500g-1Kg per 20Lt and apply using Roller or Brush. Constantly mix to maintain suspension of Xtra Grip SlipRes as it may settle. Ideally, we recommend Method One due to better consistency and more even finish surface.

Helpful Hints:

- SHIMICOAT floor coating materials can be applied on concrete and other hard surfaces enhancing the look and feel of the floor.
- Slip-resistant spherical-granules glass beads can be added to minimize the risk of slip in any wet area.
- SHIMICOAT floor coating solutions work effectively in all conditions such as greasy, wet or dry floors with the addition of slip-resistant granules
- SHIMICOAT products are easy and fast to apply – can be completed in a day (depending on the size of the area). There is no need to wait long for the floor to dry, one day application, one day curing. Fastest “Return to Normal Operation”. Please ask about our Fast Cure Epoxy 2 Hours curing time.
- SHIMICOAT SlipResistant treatment can be effective for five years and over, if used with Epoxy. Reapplication is easy and economical.

SHIMICOAT offers a comprehensive range of flooring and Slip Resistant coating materials. SlipResistant Glass Beads are perfectly uniform spherical glass beads that added to your floor followed by application of your coating materials.

Shimicoat offers a wide range of coating materials to be used in conjunction with SlipResistant Glass Beads for your desirable surface that is hygienic, safe, functional, modern and economical.

Precautions and Limitations

High levels of slip reducing Glass Beads may:

1. Detract from the appearance
2. Increase risk of patchy finish surface
3. May result in more difficult cleaning/mopping

Traction is greatly influenced by the underlying pavement and is usually affected by slope as well as texture. Shimicoat Pty Ltd does not recommend the use of heavy coats on super steep or smooth surfaces.

Benefits

- UV Stable
- Highly resistant to Alkaline, Salt and Chlorine
- Improves safety conditions of steep and sloping surfaces
- Provides excellent slip resistance under both wet and dry conditions
- Increases the friction coefficient of the surface reducing slip potential
- Assists with pedestrian safety
- Easy to install
- Limited downtime
- Chemical resistance
- Nil VOC
- Longevity – Over 5 years
- Ideally suitable for both interiors and exteriors
- Available in single or dual component systems
- Available in number of resin types (talk to our experts)
- Disperses readily and evenly through solvent based coatings
- Generally, increases abrasion resistance of solvent based coatings
- Does not detract from aesthetic appeal of most decorative surface
- Economical
- Environmentally Benign

Application

Apply a coat of Concrete sealer and while still wet, broadcast sufficient glass beads evenly over the surface. It is advisable to broadcast evenly to give an appealing effect, then apply second coat of sealer.

Most restaurants/cafes are required to be R10 or R11 Non-Slip Floor Compliance.

SHIMICOAT offers a comprehensive range of flooring and Slip Resistant coating materials. SHIMICOAT Glass Beads are in perfectly spherical granular shape that can be scattered over the floor followed by application of topcoat Epoxy or Sealer materials.

Shimicoat offers a wide range of resin coating materials to be used in conjunction with Glass Beads for your desirable surface that is hygienic, safe, functional, modern and economical.

Glass Beas are easy to use DIY materials that can be scattered over your prepared floor, followed by coating application of Epoxy, Polyurethane, PolyAspartic and many types of sealers.

Glass Beads are engineered to introduce limited traction improvement and is not an anti-slip. It should not be expected to impart significant traction to an otherwise slippery substrate. The installer is responsible to obtain Slip Resistant certification from authorized bodies, Shimicoat does not provide and is not responsible in regards to compliance and Slip Resistant ratings.

Coverage

Approximately 10 sqm per Kg

Shelf Life

In accordance with company policy “24 Months”. However, Glass Beads are ideally suitable for lifetime storage and do not deteriorate.

Storage

Store in well protected dry area and out of direct sunlight Handling Avoid contact with skin and eyes, wear gloves and eye protection Properties

Preparations

Clean and dry surface. Ensure surface to be coated is free of all dirt, grease, oil, paint, curing agents and other contaminants. Removal of Oil Contamination by degreaser and alkaline cleaning pressure wash.

Acid-wash to enhanced surface porosity and etch the surface. Ensure moisture free surface. Allow to completely dry, run Dry Test. Place a piece of plastic over a small area, tape the edges and leave for 1 hour. Remove plastic, if there is no moisture on either surface, concrete is sufficiently dry.

Ideally, always consider surface grinding and removal of loose materials. Grinding is always advisable prior to application of all Shimicoat Epoxy products, to maximize adhesion.

For further information, please refer to SHIMICOAT Instruction for “Surface Preparations”.

DISCLAIMER

Material Safety Data Sheet, Technical and Environmental Data Sheet can be provided upon request.

The information provided in this document is guidance only and considering the uses of this product are beyond the seller's control, the product is sold without guarantees or warranties. Warranties and guarantees shall be governed by SHIMICOAT Standard Terms of Sale. The purchaser shall make its own tests to determine the suitability for their specific application, and Shimicoat Pty Ltd is taking no responsibility for misuse of the product. The purchaser assumes all risk of use and handling of this product. This product will be happily replaced or credited back if defective. Beyond this, Shimicoat Pty Ltd is not liable for any damages caused by this product or its use.

This information and all further technical advice are based on our present knowledge and experience.

The customer is not released from the obligation to conduct careful inspection and testing of supplied goods.