

TECHNICAL DATA SHEET (TDS)

Biosaver Anti-Slip DIY Kit

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GENERAL CHARACTERISTICS

Biosaver is a transparent anti-slip coating formulated with fine clear quartz sand to enhance slip resistance while remaining gentle on bare feet. It is specifically designed for application on wet, barefoot areas with ceramic tile surfaces where maintaining the visibility of the original tile color and texture is desired. Ideal for use in removable or temporary applications such as bathrooms, poolside edges, and kitchen areas, the coating provides effective slip resistance without causing discomfort to bare feet.

ADVANTAGES

- Excellent slip resistance on wet surfaces
- Anti-bacterial properties
- Transparent finish preserves the original floor appearance
- Safe formulation using clear polymer and fine clear quartz granules
- Pleasant floral scent during application; odorless once dry
- Touch-dry within 12 hours
- Single-component system; easy to apply
- Removable with standard paint stripper solutions
- Provides effective waterproofing*

*Note: Floor must have proper drainage. Not recommended for areas with standing water.

AREA OF USE

(BAREFOOT ON WET FLOOR)

- Bathroom
- Balcony
- Kitchen
- Poolside
- Stairs

ADHESION SURFACE

- Ceramic tile.

PHYSICAL PROPERTIES

General characteristics	Liquid
Colour	Clear gray

TECHNICAL PROPERTIES

SLIP RESISTANCE RATING	TESTING STANDARD	CLASS
Slip resistance level	DIN EN 16165-2023	R12

WORKING INSTRUCTIONS

- Ensure the surface is clean, dry, and free from soap scum, oil, and black mold.
- Remove any existing surface contaminants using a general bathroom cleaner containing hydrochloric acid and/or citric acid.
- Rinse thoroughly with clean water and allow the surface to dry completely before application.
- Intended for interior use only. Not suitable for areas with standing water.
- Personal protective equipment (PPE) must be worn: gloves, safety goggles, and a protective mask.
- Prior to application, open the container and stir the contents thoroughly using a stainless steel scraper to evenly disperse the anti-slip granules.
- The liquid may appear grey during application but will dry to a transparent finish.
- Fully saturate the sponge roller on the first dip to ensure even application (immerse to the full thickness of the roller).
- For the second application, dip the roller only halfway into the liquid and apply with light, even pressure to smooth out the surface.
- Always stir the mixture thoroughly before each roller dip to ensure even distribution of the anti-slip granules.

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- The anti-slip granules tend to settle at the bottom of the container; they must be scraped, stirred, and fully mixed to achieve a homogeneous blend.
- For optimal curing, apply the product in the evening (e.g., at 6:00 PM). The surface can be exposed to water (e.g., shower use) after 12 hours, such as at 6:00 AM the following morning.

MAINTENANCE AND CARE

- After application, it is recommended to use **Biosaver Bathroom Cleaner (500 ml)**—specially formulated with mild acid, antibacterial properties, and eco-friendly ingredients—for regular cleaning of the coated surface.
- For routine maintenance, use liquid soap and a soft-bristle brush, especially if the surface becomes slippery.
- Avoid heavy usage or excessive abrasion for at least 7 days after application.
- Do not use metal-bristle brushes or abrasive pads, as these may damage the coating.
- Cleaning should be done using a sponge along with mild detergent or soapy water. Rinse thoroughly with clean water and dry with a soft cloth.
- Avoid using general bathroom cleaners containing hydrochloric acid or citric acid, as these may degrade the coating over time.

SAFETY INSTRUCTIONS

- This product is **flammable**. Keep away from open flames, sparks, and cigarettes during application.
- Personal protective equipment (PPE) such as **gloves, goggles, and a mask** must be worn during installation.
- Although the can may appear to contain a small amount of liquid, it holds the standard quantity (350 g), optimized for easy application with a 4-inch wide roller.
- Minor surface scratches may occur during use. In case of significant surface damage, the coating can be easily removed using general paint stripper solutions or **xylene AAA**, commonly available at construction supply stores. Use a plastic scraper for removal. Slight discoloration may occur after removal.
- Once dry, the coating may slightly alter the visible tone of the original tile color.
- **Chlorine water stains** may still appear on the surface but can be wiped off.
- Once opened, it is recommended to use the entire contents immediately. Leaving the lid open for more than 1 hour may result in air exposure, causing the liquid to thicken.
- On black or very dark tiles, the anti-slip granules may be more visually apparent.
- When applying multiple sets, plan the mixing and application process to ensure continuous workflow without interruption.
- **Not suitable for areas with water ponding**. Ensure proper drainage before application.
- If anti-slip granules clump during application, roll over the area with a sponge roller and press lightly to smooth the surface. Avoid leaving granules in clusters—ensure even distribution.
- Keep windows open and use fans to maintain good ventilation during application.
- Avoid contact with **hair dye products**, as the adhesive substances may bond with the surface and make cleaning difficult.
- Begin application within **15 minutes** of opening the container. Apply continuously without long breaks.
- **Do not use harsh acidic cleaners** (e.g., hydrochloric acid or citric acid), as they may cause white spots and surface peeling.
- The floor must be cleaned thoroughly prior to application—**no soap residue or organic film** should remain, as this may lead to poor adhesion and peeling.
- **Do not use wire brushes or hard-bristle brushes** on the coated surface.

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LIMITATIONS/CAUTIONS

- The liquid in the can may appear to be small but contains the normal quantity (350 g.). This is to facilitate easy dip and apply with a 4" wide roller.
- There may be scratch when in use. If the surface is heavily damaged can be easily removable when reapplying. Recommended to remove using general old paint strippers liquid available in the market or xylene AAA sold at general construction material stores and scrape off with a plastic scraper. There may be slight discoloration after removable.
- The colour of **Biosaver** when dry may slightly reveal the difference in tile colour.
- Water stain from chlorine may still persist but can be wipe off.
- Once opened, advisable to use all at once. Leaving the lid open for more than 1 hour may cause the liquid to react with the air causing to thicken.
- When apply on black or very dark tiles the anti-slip granules may be more visible.
- When apply more than 1 set consecutively. Advisable to plan the mixing process continuously.
- **Do not** for use in areas to water pounding.
- **Caution** if the anti-slip granules form clumps after apply they should be rolled apply with sponge roller and smooth of press. Avoid allow the anti-slip granules to clump together. Ensure even smoothing.
- Open windows and use a fan to help ventilate while installation.
- **Do not** allow hair dye liquid to come into contact with the surface as contains adhesive substances making cleaning difficult.
- Apply within 15 minutes after opened the can.
- Apply continuously until completed without breaks.
- **Do not** use general bathroom cleaner that is severe acidic (Hydrochloric acid and citric acid) will cause white spots and peel off.
- Must be wash the clean floor without soap stain or mucus. Because will cause the Biosaver to adhesion incomplete and peel off at dots.
- **Do not** use wire brush or hard brush.

COVERAGE

- Approx. 4-4.5 m²/350 g. Depending on surface absorption. Recommended to apply once.

SERVICE LIFE

- Approx. 6-12 months, depending on use.
- Removable with solvent such as paint remover or xylene AAA.

PACKAGE

- 350 g./set (Including tools).

CLEANING TOOLS

- Advisable to clean the tools immediately with xylene AAA before **Biosaver** dry.
- In case dry, should be scraped off with mechanical force.

STORAGE

- Shelf life 1 year in unopened container.
- Stored in a shaded area, dry at a temperature of approx. 23 oC + 2% relative humidity of 50% + 5%RH (According to ISO 554 standard).

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HEALTH AND SAFETY INSTRUCTION

Eye Contact: In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.

Skin Contact: May cause irritation. Rinse thoroughly with clean water.



Ingestion: Do not induce vomiting. Seek medical assistance immediately.

Protective Equipment: Wearing gloves and safety goggles is strongly recommended during handling and application.

Inhalation: Avoid inhaling vapors. Use a suitable protective mask during application. If exposed to vapors, move to an area with fresh air immediately.

DISPOSAL OF WASTE MATERIALS

Biosaver contains polymer. Please do not dispose of the remaining mixture into public drainage pipes. Should be dry and solidified by exposure to sunlight.

TRANSPORTATION AND SHIPPING DATA

Transportation requirements for **Biosaver** via public roads :

Ministry of transport, Thailand : No specific requirements.

Department of transportation, United States of America : No specific requirements.



Biosaver Anti-Slip DIY Kit

Anti-Slip clear coat with clear quartz sand
(Barefoot) size 350 g./set (Including tools)
Code FG-10IC-8858915272270

1 set contains.

- 1) Anti-Slip clear coat with clear quartz sand (Barefoot) 350 g./can.
- 2) Biosaver Preparation Spray 200 ml./bottle
- 3) Anti-Slip Granules
- 4) Stainless steel hand scraper 1 piece.
- 5) Sponge roller with handle 1 piece.
- 6) Plastic gloves 1 pair.
- 7) Instruction manual 1 sheet.

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PRODUCT WARRANTY

The company is pleased to replace any product that is clearly proven to be defective due to manufacturing processes with a new products of equal value to the portion that is defective. Refunds are not available. Customers must be notify us of replacement within 7 days from the order date. Additionally customers can not claim damages resulting from direct or indirect using of the materials, as well as delays in delivery by the company. Furthermore replacements can not be made for errors in using that arise from customers negligence without consulting the sales staff or technical documentation provided by the company.

The company reserves the right to amend manufacturing formulas or new packaging designs without prior notice. Therefore customers must be request the data sheet and sale conditions from the company before actual using and before each purchase. By doing so the company assumes that customers have understood and agreed to the company's sale conditions before using. (Company products are only allowed for using by individuals who have completed training provided by the company).

*For further data please refer to the sale conditions from the company's sale department at contact@biosaver.co