APPLICATION AND INSTRUCTIONS FOR USE

PLAS ANTI SLIP®

Anti-Slip Floor Solution

Two products (Step 1-3 and Step 2) – three-step application

Purpose

These instructions are intended to ensure that PLAS ANTI SLIP® is applied correctly, safely and with maximum performance on different floors. The treatment uses two products: Step 1-3 (preparatory cleaning and neutralisation) and Step 2 (active anti-slip solution). The process is completed in three steps.



1. Preparatory cleaning (Step 1-3)



2. Anti-slip treatment (Step 2)



3. Neutralisation (Step 1-3)



4. Friction coefficient measurement

Application

Pre-application check

- **Surface analysis:** Determine the surface type (ceramic, porcelain, marble, granite etc.) and its absorbency. Keep the contact time short on glossy / polished surfaces.
- **Cleanliness:** The floor must be free of grease, dirt and detergent residues. Any polish, polymer or coating must be removed completely.
- **Trial application:** Carry out a trial on a 30 × 30 cm area; determine the dilution ratio and contact time and check appearance and slip resistance.
- **Measurement:** Measure and record the friction coefficient (COF) of the wet floor before application.

Equipment required

Plastic bucket · mop / microfibre cloth / glass cloth with holder · pump sprayer (optional) · brush or floor scrubber (without abrasive pads) · wet vacuum / squeegee · clean water supply · gloves and safety goggles

Step 1 – Surface cleaning (Step 1-3)

1. Remove dust from the floor. Dilute Step 1-3 at 1 kg of product to 4 kg of water (1 : 4); use half of the solution in this step and keep the other half for step 3.
2. Apply the solution to the floor and scrub with a brush or floor machine to dissolve grease and dirt.
3. Remove the dirty solution with a squeegee or wet vacuum, rinse the floor with plenty of clean water and leave it to dry.

Step 2 – Active anti-slip treatment (Step 2)

4. Dilute Step 2 with water at the ratio determined in the trial (product : water). Never pour the product directly onto the floor; put it in a bucket and apply with a well-wrung cloth, mop or pump sprayer (fine mist).
5. Spread the product evenly with back-and-forth strokes, working towards the exit of the area. The surface must be kept WET at all times during the contact time; re-apply to areas that dry quickly and never allow Step 2 to dry on the surface.

Surface	Dilution (Step 2 : water)
Dense surface	1 : 1

AKEM KİMYA SAN. ve TİC. LTD. ŞTİ. | T: +90 212 222 37 52 | E: info@akemkimya.com.tr | www.plasantislip.com
Head Office: Halil Rıfat Paşa Mah. Perpa Tic. Mrkz. B blok Kat:13 No:2442 Şişli / İstanbul, Türkiye
Warehouse: İkitelli OSB Atatürk Oto Sanayi Sitesi 5. Sokak No:118 Başakşehir / İstanbul, Türkiye

Surface	Dilution (Step 2 : water)
Medium surface	1 : 2
Sensitive surface	1 : 3

Surface type	Contact time
Ceramic / tiles	15 – 20 min
Marble / granite / porcelain	15 – 20 min
Terrazzo	approx. 20 min

Step 3 – Neutralisation (Step 1-3)

6. When the contact time has elapsed, apply the Step 1-3 solution kept from step 1 while Step 2 is still on the surface, and scrub with a brush or machine; this stops the reaction and neutralises the surface.
7. Remove all the solution with a squeegee or wet vacuum and rinse the floor with plenty of clean water. The floor can be put back into use once it is dry.

Post-application check

- Check slip resistance on the wet floor; where required, measure and report the friction coefficient with a slip meter (ASM 825A / Floor Slide Control 2000).
- Coverage: 1 kg Step 1-3 + 1 kg Step 2 treats on average 10 – 15 m², depending on the floor.

Care and cleaning recommendations

- Treated floors should be cleaned with neutral cleaners. Do not use hydrochloric acid, caustic soda (sodium hydroxide) or chemicals that damage the floor.
- Do not use cleaners containing polish, coatings, polymers or crystallising products; the treatment loses its effect where tiles are replaced or polish/coatings are applied.
- If soap-based products are used, rinse the floor with water so that no soap residue remains; otherwise the soap film reduces the effect.
- To maintain performance, clean the area every 6 months with a degreaser or Plas Anti Slip Step 1-3. Do not use abrasive pads for machine cleaning.

Safety instructions

- Wear gloves and safety goggles during application, avoid contact with skin and eyes and ensure good ventilation.
- Do not allow Step 2 to come into contact with glass, aluminium, stainless steel or other metal surfaces. Protect these surfaces before application.
- Never mix Step 1-3 and Step 2 in the same container; use separate buckets and equipment.

Important Notes

- On natural stone (marble, granite) and on glossy / polished surfaces always carry out a trial on a small area first; a slight reduction in gloss may occur on glossy surfaces.
- Do not apply in direct sunlight or during rain; rapid drying causes Step 2 to dry on the surface.
- For professional application and a measurement report, working with the AKEM Kimya application team is recommended.

General product description based on our present knowledge; not part of the delivery specification. The user is responsible for the suitability of the product for its application. If in doubt, always carry out a trial on a small, inconspicuous area. See the Safety Data Sheet (SDS) for safety precautions.