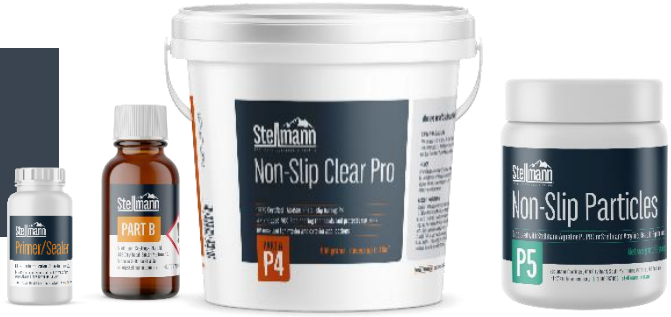
Stellmann® Non-Slip Clear PRO - P5

Water-based, dual-component non-slip coating.
Transparent. For interior and exterior applications



Water-Based

Description

Stellmann Non-Slip Clear is a water-based, dual component polyurethane coating specifically formulated to eliminate the risk of slipping on a wide range of substrates. It is a premium quality, transparent coating, UV-resistant, flexible and durable. Stellmann Non-Slip Clear has excellent adhesion to a wide range of surfaces in combination with Stellmann Clear Primer. Surfaces: tiles, ceramics, natural and engineered stone, marble, fibre cement, sandstone, terracotta, bluestone, slate, and other porous stone materials, acrylics, PU, epoxy, timber, metal and glass. The coating is touch dry in 60 minutes and trafficable in 12 hours (light pedestrian traffic).

Features

- Dual-component polyurethane coating
- Premium quality, water-based system
- Transparent, UV-resistant, and non-yellowing
- CSIRO Certified
- Low VOC classification (CETEC certified)
- Easy to apply by roller
- Excellent chemical and mechanical resistance
- Made in Europe

Benefits

- **Certified in accordance to AS/NZ 4586:2013, the Australian Standard for Slip Resistance by CSIRO**
  Wet pendulum test Slider 96 (pedestrian areas): P3, P4 and P5 Wet pendulum test Slider 55: P3, P4, and P5.
  P5 slip-rating available by adding Stellmann Non-Slip P5 particles.
- European slip-ratings: R11 (tested by Analytice) and R13 (tested by LGA Bautechnik)

Uses & Slip Ratings

Stellmann Non-Slip Clear PRO is available in various slip-ratings and is therefore ideally suited to make surfaces compliant and slip-resistant. It also acts as a topical surface sealer that repels water. Contact us if you are unsure about the slip-rating you require.

P3 Soft: shopping malls, food courts, offices, hotel lobbies, residential living rooms, internal staircases, and other areas not frequently exposed to water that require a P3 slip-rating which is easy to maintain.

P3: Residential showers, bathrooms, residential kitchens, interior stairs, toilet and bathroom facilities in offices, hotels and shopping centers, interior entry areas, bathrooms and en-suites in hospitals and aged care facilities, communal changing rooms.

P4: Outdoor entry areas, walkways, external ramps including sloping driveways, foot paths, etc., pedestrian crossings, balconies, verandas, courtyards, serving areas, behind bars in hotels and pubs, swimming pool surrounds and communal shower rooms.

P5: External ramps including sloping driveways, footpaths etc. Steeper than 1 in 14, loading docks undercover and commercial kitchens

Precautions And Limitations

Read Data Sheet, Material Safety Data Sheet and any precautionary labels on containers. Do not apply in exterior situations when rain threatens. Do not apply when relative humidity is above 85% or is likely to go above 85% shortly after the application has been completed. Do not apply to areas with faulty waterproofing or with high moisture contents. Not to be applied in areas subject to rising damp or negative hydrostatic conditions. Prior to application, confirm and record substrate temperature and moisture content, relative humidity and dew point. Do not start the application in direct sun when it is over 30 degrees Celsius or switch to spray application (HVLP).

Practical spreading rates will vary depending on such factors as method and conditions of application and surface roughness and porosity. Suitable for application over bare substrate and water-based coatings.

For further information about this product contact the technical department of Stellmann Pty Ltd.

Application Guide	
Surface Preparation	Thoroughly clean area using the Stellmann Prep and Maintenance Cleaner. Do not clean with alcohols, isopropanol, acetone, or similar solvents. These chemicals can leave an invisible film on the substrate preventing the coating from adhering. Use the right tools for each individual area, eg. Cleaning machine, stiff bristled brush, pressure washer, etc. Remove dirt, dust, and unwanted materials etc. Wash clean until all foaming ceases using a hose or power washer. Allow to dry before applying Stellmann Primer and Stellmann Non-Slip Clear. Ensure surface is thoroughly dry before application. Ensure that the previous coating is firmly bound to the substrate before coating. All loose and flaking paint must be thoroughly removed prior to painting. Do not apply to surfaces with a nano- or other repellent treatments. Check adhesion and conduct tests in case of doubt.
Application Procedure and equipment	**Primer** Apply Stellmann Primer prior to starting the Stellmann Non-Slip Clear application. Dilute primer 1:1 with water and apply a thin film to the surface with a sponge or flat microfibre mop/cloth. See TDS for full instructions. Avoid puddling. Curing time: approx. 30 min at room temperature. Practical spreading rates will vary depending on such factors as method and conditions of application and surface roughness and porosity. Surfaces such as concrete and timber will require more primer. Wear shoe covers when walking on primed surfaces to avoid leaving footprints. **Mixing** • Stir up Part A for 5 minutes with a mechanical mixer at low speed before use. • When mixing in smaller portions, use a clean mixing cup and an electrical precision scale to measure the mixing ratios. • When mixing smaller portions use a 5 to 1 mixing ratio by weight. Mix Part A and B with a clean mechanical mixer for at least 5 minutes. • Do not use milliliter mixing cups as product density is higher than water. Mixing without electrical precision scale will cause off ratio mixing. Any warranty is void when mixing is not conform instructions. • See the extensive installation manual for a step-by-step guide. **Mix ratio calculator** • Mix Ratio: 5 to 1. Stellmann Non-Slip Clear Part A = 5 and Part B is 1. • Calculation: multiply the amount of Part A in the mixing cup by 0.2. The result is the amount of Part B that needs to be added. Alternatively, multiply the amount of Part A in the mixing cup by 1.2. The result is the total amount that needs to be reached by adding Part B. Example: 200 grams of Part A is added in a mixing cup. Add 40 grams of Part B. Calculation method 1: 0.2 x 200 = 40 grams. Method 2: 1.2 x 200 = 240.  **P5 Slip Rating Application Instructions** **IMPORTANT:** Do not add the entire contents of the Stellmann Non-Slip P5 Particles container into the coating mixture. Doing so may result in an uneven surface finish, improper curing, and failure to achieve the P5 slip rating. **Correct Particle Addition for P5 Rating** • Ratio: Add 3% by weight of Stellmann Non-Slip P5 Particles relative to the combined weight of Part A and Part B of the coating system. • Mixing Procedure: Mix Part A and Part B as instructed above with a mixing cup on an electronic precision scale. • Determine required particle weight using one of the following formulas **Total Final Weight Method:** Multiply the combined weight of Part A and B by 1.03. This yields the final total weight, including the required amount of P5 Particles. **Particle-Only Method**: Multiply the combined weight of Part A and B by 0.03. This gives the exact weight of P5 Particles to be added. • It is recommended to spray apply larger areas that require a P5 slip-rating.

	Application It is recommended to use Stellmann PRO rollers to apply Stellmann Non-Slip Clear. No warranty can be given on the finish and slip-rating when using other rollers. • It is recommended to split up larger areas into smaller sections for the best result. Either use grouts as the border of sections or use masking tape. Roll a single layer to the surface and spread out evenly. Finish each section by rolling in the same direction without applying pressure. Finishing sections in different directions can lead to a visual difference in sheen (due to light reflection/distribution). **Note**: **Avoid rolling back into finished sections. Double layers can remain translucent/whiteish instead of transparent**. • Avoid rolling with a dry roller • Apply one coat of the non-slip coating. *Do not apply a second coat and avoid rolling back into finished sections*. The spreading rate is approx. 72 grams per sq metre. Practical spreading rates will vary depending on such factors as method and conditions of applications and surface roughness. Higher spreading rates are recommended for high traffic areas. **Spray Application** • Stellmann Non-Slip Clear can be applied with a range of HVLP sprayers. The mixed coating of Part A and B needs to be diluted prior to spray applying. *Contact us for instructions and consult spray application manual* Smaller areas: Ozito 400W Power Sprayer, several Wagner HVLP Click and Spray Systems with a handheld compressor. • Lager areas: Graco HVLP 9.0 ProContractor Sprayer or conventional spray gun with a nozzle of at least 1.3mm.
Disposal	DO NOT REUSE CONTAINER. Do NOT pour waste material down the drain. Keep unwanted paint in sealed containers for disposal via special chemical waste collections including PAINTBACK. Alternatively waste paint should be brushed out onto newspaper and allowed to dry before disposal via domestic waste collections. For more information on responsible disposal of paint and packaging visit the Australian website at paintback.com.au or in New Zealand at paintback.co.nz
Handling	As with any chemical, ingestion, inhalation, and prolonged repeated skin contact should be avoided by good occupational practice. Always wash hands before smoking, eating, drinking or using the toilet.
Other	For detailed information refer to the current Safety Data Sheet available through customer service or info@stellmann.com.au.
Shipment	Not dangerous goods, no special transport requirements.
	Flash Point: N/A | UN Number: N/A | Dangerous Goods Class: N/A

Performance Guide			
Weather	Excellent resistance to exterior exposure	Salt	Unaffected by splash and spillage of neutral salt solutions.
Heath Resistance	Up to 120°C dry heat	Water	Resists rain and condensation. Not recommended for permanently immersed exposure.
Solvent	Unaffected by splash and spillage of alcohols and similar solvents	Abrasion	For low, medium and high pedestrian traffic areas.
Acid	Not recommended where spillage may occur.	Alkali	Not recommended where spillage may occur.

Typical Properties			
Gloss Level	Satin when applied by roller Matt when spray applied	Thinner	Water. Only dilute product with water when spray applying. Contact us for instructions.
Colou	Transparent	Mix Ratio	Part A: 5, Part B: 1
Components	2	Number of coats	1
Toxicity	No adverse health effects expected if the product is handled in accordance with the directions on the Safety Data Sheet	VOC Content (ASTM D3960)	Certified by CETEC conform ASTM D3960. VOC Content of Stellmann Non-Slip Clear is below the maximum VOC Content for One and Two Pack Performance Coatings as well as General Purposes Adhesives and Sealants as required by Green Building Council of Australia.
Shelf Life and storage	One year in an unopened can and when stored in a dry, dark and cool place. Protect from direct sunlight and frost.		

Curing	Tack Free: 90 - 180 minutes Trafficable: 12 hours Full Chemical Cure: 5 days curing. Based on normal ambient temperatures of 23ºC and 50% RH. *Temperature, humidity and porosity will vary dry times.		
Clean up	Water		
Application Conditions	Air temperature Substrate temperature Relative Humidity Concrete Moisture	Min. 15°C 15°C	Max. 35°C 35°C 85% <3%

Stellmann Pty Ltd ● 448 City Road ● South Melbourne VIC 3205 ● T: 1300 987 095 ● info@stellmann.com.au