

Stellmann Stair Nosing Coating

P4 Slip Rating

Water-based, dual-component non-slip coating.
UV-resistant, for interior and exterior applications

Colours: Yellow, Black and White



Description

Stellmann Stair Nosing Coatings is a coloured floor coating system for interior and exterior areas. The coating is specifically formulated to eliminate the risk of slipping and tripping. It can be used on stair treads and as a premium quality demarcation coating on a wide range of surfaces (in combination with the supplied primer) such as tiles, natural stone, concrete, etc. It can also be used on metal surfaces when sanded prior to application. Stellmann Stair Nosing Coating is touch dry in approx. 60 minutes and trafficable in 24 hours. It is a premium quality dual-component PU coating and offers outstanding mechanical and chemical resistance and is UV-resistant. Both components are low odor and Low VOC. Stellmann Stair Nosing Coating Come with a P4 slip-rating.

Features

- Premium quality, dual-component polyurethane coating + water-based, single component acrylic primer
- Water based, low odor and Low VOC
- Easy to apply with long pot life
- Semi-gloss finish
- UV-resistant, non-yellowing (does not change colour like epoxies)
- Non-toxic

Benefits

- Apply by roller or HVLP sprayer
- Dilutable with water. No thinners required
- For interior and exterior applications
- Makes surfaces compliant conform AS 1428 as well as AS 4586 and AS 4663
- Non-flammable / non-hazardous
- Apply primer then a single coating layer. Second layer is optional.

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 80% or is likely to go above 80% shortly after the application has been completed.

Practical spreading rates will vary depending on such factors as method and conditions of applications, surface roughness, surface and coating colour. Darker surfaces and porous surfaces require two coats.

Suitable for application over concrete substrates, tiles, natural stone etc. For any other substrate, contact customer service or

info@stellmann.com.au

Performance Guide

Weather	Excellent resistance to exterior exposure	Salt	Unaffected by splash and spillage of neutral salt solutions.
Heat 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 traffic
Acid	Not recommended where splash or spillage may occur.	Alkali	Not recommended where splash or spillage may occur.

Typical Properties

Gloss Level	Semi-gloss		Thinner	Water. See dilution instructions
Standard Colours	Traffic Yellow: RAL 1023 Traffic White: RAL 9016 Other colours available upon request		Mix Ratio	5 : 1 (weight) Part A = 5 and Part B = 1
Components	2		Pot life	Up to 2 hours depending on temperature and humidity Only mix as much as immediately required
Toxicity	No adverse health effects expected if the product is handled in accordance with the directions on the Safety Data Sheet		V.O.C. Level	5 g/L
Shelf Life	1 year in an unopened can. Protect from frost and store in a cool dark place without direct sunlight exposure			
Touch Dry	60 min			
Clean up	Water			
Application Method	Roller and HVLP sprayer Contact Stellmann for spray application instructions			
Application Conditions	Air Temp. Substrate Temp. Relative Humidity Concrete Moisture	Min. 15°C 15°C	Max. 35°C 35°C 80% <3%	

Application Guide

Surface Preparation	In general, the surface to be treated needs be clean and free of all traces of loose material, dirt, debris, oil, grease, old coatings, curing compounds, release agents, laitance, dust and other contaminants. New concrete must cure for a minimum of 28 days before applying Stellmann Stair Nosing Coating. Ensure surface is thoroughly dry before application (< 3% building material moisture). The surface must be structurally sound, and the substrate compressive strength should be at least 25MPa. The substrate tensile strength should be at least 1.5N/mm ² . All non-structural cracks and holes need to be repaired.
---------------------	--

	All new or old concrete surfaces should be prepared by mechanical grinding, abrasive blasting, etching, or any other suitable preparation/cleaning methods. Always check if all traces of oil and other contaminations have been completely removed before applying Stellmann Stair Nosing Coating. Substrate must be sealed off from rising moisture. Apply sample area in case of doubt.
Application Procedure and equipment	Prepping Stair Nosing - To allow the painting of straight lines on stair treads, mark out surface area with chalk string. - Then use Stellmann Masking Tape to outline the intended lines. Do not experiment with other masking tape as the Stellmann Primer might “bleed” under the tape. - When used as demarcation on to stair treads, the strip needs cover the full width of the stair tread. Moreover, it needs to be at least 50mm but not more than 75 mm wide as per the Australian Standard AS 1428.1:2009. - Set the strip 20mm back from the stair tread edge. Stellmann Primer Apply Stellmann Primer prior to starting the Stellmann Coating application. Dilute primer 1:1 with water and apply a thin film to the surface with a sponge, microfibre cloth or flat microfibre mop. Avoid a thick film and puddling. Curing time: approx. 30 min at room temperature. Wear shoe covers when walking on a primed surface to avoid mark. Application Use the supplied Stellmann Pro Rollers. - Apply by roller. Do not apply by brush. Only use supplied Stellmann Pro Roller. Always use a paint tray. For easy clean-up simply use an inlay in the paint tray that can be disposed of when the product has dried. Mix ratio: 5-1. Part A = 5 and Part B is 1. <i>When applying light colours to dark substrates, or when applying to porous substrates, two coats might be required.</i> Calculation: Multiply the amount of Part A poured in mixing cup/bucket by 0.2. The result is the amount of Part B that needs to be added. - 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. Potlife is up to 2 hours depending on temperature and humidity. Do not apply a thick layer. A wet film thickness above approx. 100µ can cause “CO2-bubbles” in the coating. - Apply an even coat to the surface with a roller. - Apply a second coat if required. Allow the first coat to dry for 120 minutes prior to applying a second coat. If two coats are required, the first coat mixture can be diluted with approx. 10% water by weight. <i>Practical spreading rates will vary depending on such factors as method and conditions of applications and surface roughness.</i>
Important	For darker substrates, and light colours, a second layer might be required.
Curing	At 20°C and 65% relative humidity and well-ventilated areas: Dust dry: ca. 2 hours Re-coatable: ca. 12 to 24 hours Trafficable: ca. 24 hours Full curing time: ca. 3-7 days, depending on load, humidity, and temperature

Chemical resistance	Chemical	After 1 hour	1 day	1 week	1 month	3 months
	Hydraulic oil	5/2	5/2	5/2	5/2	5/2
	Motor oil	5/2	5/2	5/2	5/2	5/2
	Petrol	5/2	5/2	5/2	4-5/2	4-5/2
	Diesel	5/2	5/2	4-5/2	4-5/2	4-5/2
	Water	5/2	5/2	5/2	5/2	5/2
	Salt water	5/2	5/2	5/2	5/2	5/2
	Cement water	5/2	5/2	4-5/2	4-5/2	4-5/2
	Hydrochloric acid (10%)	5/2	5/2	4-5/2	2-1/2	2/1
	Sodium hydroxide (10%)	5/2	5/2	4-5/2	4-5/2	4-5/2
	Xylene	5/2	5/2	5/2	5/2	5/2
	Bleach (5%)	5/2	5/2	4-5/2	4-5/2	4-5/2
	Paint thinner	5/2	5/2	5/2	5/2	5/2
	Assessment	Optical 5 = no change 1 = coating destroyed		Mechanical 2 = no change 0 = scratchable till surface		

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 .		
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 via info@stellmann.com.au		
Shipment	Not dangerous goods, no special transport requirements.		
Flash Point	N/A	Dangerous Goods Class	N/A
UN Number	N/A		
Disclaimer	The data provided within the Stellmann Stair Nosing coating is correct at the time of publication, however it is the responsibility of those using this information to check that it is current prior to specifying or using any of these coating/product systems.: Any advice, recommendation, information, assistance or service provided by any of the divisions of Stellman Coatings or its related entities in relation to goods manufactured by it or their use and application is given in good faith and is believed by Stellmann be appropriate and reliable. Coating/product systems can be expected to perform as indicated on the spec sheet so long as applications and application procedures of the individual products are followed as recommended on the appropriate Product data Sheet. Customers are encouraged to make their own enquiries as to the material's characteristics and, where appropriate, to conduct their own tests in the specific context of the material's intended use. A warranty can only be given for the consistently high quality of our products. All previous versions of this data sheet are no longer valid.		