

Safekote

Optima Coatings Safekote is a single-component polyurethane coating incorporating anti-slip particles that provide an attractive slip-resistant surface. Safekote has an attractive, low gloss finish which is easy to apply and to clean. The non-abrasive, non-slip silicone particles of Safekote make it perfect for use in environments such as hospitals, hotels or children's playgrounds.

Colours: A range of standard colours is available

PRODUCT USES

Optima Coatings Safekote is an anti-slip paint, ideal for:

- Steps and walkways
- Bathrooms
- Ramps
- On slippery floors exposed to water such as showers, change rooms and ablution blocks.
- Clear Safekote is ideal for providing an anti-slip coating on surfaces such as marble, wood or any other substrate with an aesthetic surface.

ADVANTAGES

- Small silicone anti-slip particles that are not painful to walk on with bare feet.
- Easy to apply with a brush or roller.
- Bonds to fibreglass, wood and most other surfaces without a primer.
- Can be overcoated or repaired.
- Resists diesel, petroleum and many solvents.
- Good resistance to organic and inorganic acids.
- Abrasion resistant.
- Easy to clean.
- Good inherent flexibility to allow for substrate movement.
- Fast cure- trafficable after only 6 hours.
- Tough and weather resistant.
- Colour-fast.

COVERAGE

- 3 - 4m² per litre per coat. Applied in a 2 coat application.
- Three coats are recommended for high wear areas.
- Coverage will vary depending on the porosity and profile of the surface.

SURFACE PREPARATION

Substrates differ significantly, and so all new applications should be tested first. All surfaces must be sound, dry and free from oil or grease. Remove all loose and flaking paint or varnish. As Optima Coatings Safekote is a moisture-cured product, all substrates must be dry before application of Safekote.

- Aluminium: Abrade to fresh metal and prime with a suitable 2K metal primer within 30 minutes.
- Concrete: Old and new cement or concrete surfaces must be cleaned, rinsed well, dried and primed with an epoxy primer.
- Fibreglass: No primer required. Lightly scuff with a scouring pad to remove any gloss. Wipe with solvent and allow to dry thoroughly.
- Galvanized steel: Scour with alkaline detergent or galvanized pre-cleaner to a water break free surface. Anti-corrosion primer is recommended.
- Old gloss paints and varnish: Abrade to remove all gloss. Wipe with solvent and allow to dry thoroughly.
- Steel: Remove any millscale, rust, or grease. Abrade well. Anti-corrosion primer is recommended.
- Wood: Ensure that any waxy wood treatment products are removed and that the wood is dry before application.

APPLICATION

Ensure substrates have been prepared; tests for adhesion completed and areas not to be coated have been masked off. Stir well before use.

- Optima Coatings Safekote is best applied with a short-hair roller.
- Lay the paint out with the roller and use the brush to touch it up.
- Safekote should be applied in two or more thin coats at right angles to one another, ensuring maximum coverage. Do not allow the product to form pools, as the anti-slip particles will not protrude from the surface.
- Curing time: Safekote cures with atmospheric moisture. Depending on ambient temperature and humidity, each coat will be touch dry after about 60 – 90 minutes. Light traffic will not damage the coating after 6 hours and full serviceability is achieved after 12 hours. Final strength and chemical resistance is achieved after 3 to 4 days.
- Overcoating and repair: Safekote can easily be repaired or overcoated. The old surface should be cleaned thoroughly and then wiped with xylene immediately prior to application.

CLEANING

- If thinning is necessary, use up to 10% of xylene.
- Do not use any solvent containing water or alcohols as this will prevent drying.
- Spills and brushes can be easily cleaned with xylene after the drying time but before final cure.
- Note: Do not use equipment previously cleaned in solvents other than xylene, unless completely dry so that no water or alcohols come into contact with Safekote.

IMPORTANT

- Do not clean surfaces with lacquer thinners or other alcohol-containing solvents.
- Do not thin with any solvent containing water or alcohols. Xylene is recommended as an appropriate thinning agent.
- Do not apply to bare metal without an appropriate primer.
- Once opened use Safekote within 2 hours.
- Protect from moisture and do not expose unopened cans to temperatures above 50°C.
- Remove any overspray immediately; Safekote is very difficult to remove once cured.

SAFETY PRECAUTIONS

- Optima Coatings Safekote is highly flammable in its wet state due to its solvent content. Use extinguishing powder, CO2 or halogens to extinguish in case of emergency.
- Ensure good ventilation to prevent buildup of flammable solvents.
- Wear goggles and rubber gloves. Safekote bonds to the skin and can only be removed with a pommel stone.
- Skin contact: Wash thoroughly with soap and water.
- Eye contact: Flush immediately with water for 10 – 15 minutes and contact a physician.
- Respiratory problems: Remove affected person to fresh air immediately and contact a physician.
- Not for internal consumption.
- If swallowed, contact a doctor or poison control centre immediately. Do not induce vomiting. Drink water.

TECHNICAL DATA

Pack Size	1 litre, 5 litre
No of components	Single pack
Touch drying time	60 - 90 minutes at 25°C and 70% relative humidity
Light foot traffic	6 hours after final coat
Full serviceability after	12 hours
Full cure	3 - 4 days to reach final strength
Overcoating time	Ideal: 60 – 90 minutes at 25°C and 70% relative humidity
Percentage solids	~70% by mass
Percentage VOC	~285g/l
Tensile strength at break	29MPa (ASTM D638)
Elongation at break	175% (ASTM D638)
Service temperature	-40°C to 120°C
Application temperature	10°C to 35°C
Hardness	95 Shore A
Weathering	No change after 1000 hours QUV
Specific Gravity	0,93 g/cm ³
Viscosity	68 to 72 ku (QC release spec) 75 to 85 ku (After 30 days in tin)
Flash point	≥27°C
Explosive limits	lower: 2,1 % by vol upper: 11, 5% by vol
Hazardous reactions	Exothermic reaction with amines, alcohols, acids and alkalis in uncured state. Reacts with water forming CO ₂ gas. Open pressurized containers carefully, to release pressure.
Toxicity	Toxic in uncured state
Thinning	Optima Coatings Xylene
Cleaning the coating	Hot soapy water, methylated spirits
Shelf life	18 months
Storage conditions	Cool dry place below 25°C

Technical details above are provided in good faith. We are an ISO 9001: 2008 registered company and our products are manufactured to the highest standards using raw materials of superior quality. Consequently we believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct their own suitability tests before use. To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers that you purchase.

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