SAFEKOTE USAGE SHEET

Description: Safekote is a single-component polyurethane coating incorporating non-slip particles that provide an attractive slip-resistant surface for wet or dry, indoor or outdoor environments. Its moisture-cure aliphatic polyurethane composition provides ease of application with an extremely abrasion and weather resistant film. Safekote has an attractive, low gloss finish which is easy to clean.

Safekote comes in attractive standard marine colours that will not fade or yellow from UV radiation, although safety colours and other colours are available on request.

Product Uses:
Safekote is ideal for:
- Boat decks
- Steps
- Walkways
- Jetties
- Ramps
- Floors

Advantages:
- Tough and weather resistant
- Colour-fast
- Easy to apply, simply apply by 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
- Good inherent flexibility to allow for substrate movement
- Fast drying and cure- trafficable after only 4 hours
- Will not taint water or food once cured

Coverage: Total coverage: 3-4 square meters per litre applied in two coats i.e. 6-8m² / litre per coat, depending on porosity and texture of surface.

Surface Preparation and Priming: Substrates differ significantly, and so all new applications should be tested first. All surfaces must be sound, dry and free of oils or greases. Loose and flaking paint or varnish should be removed. As Safekote is a moisture-curing product, all substrates must be dry before application of Safekote.

- **Fibreglass**: No primer required. Lightly scuff with a scouring pad to remove gloss if necessary.
- **Timber**: Ensure that any waxy timber treatment products are removed and that the wood is dry before application.
- **Old gloss paints and varnish**: Abrade to remove all gloss. Solvent wipe.
- **Steel**: To be free of mill scale, rust, grease and well abraded. Anti-corrosion primer recommended.
- **Galvanised steel**: Scour with alkaline detergent or galvanised pre-cleaner to a water break free surface. Anti-corrosion primer is recommended.
- **Aluminium**: Abrade to fresh metal and prime with a 2K aluminium etch primer within 30 minutes.
- **Cement**: Old and new cement or concrete surfaces must be cleaned, rinsed well, dried and primed with a water-based epoxy primer e.g. Duraprime.

Safekote exhibits good adhesion to acrylic, epoxy and polyurethane primers.

Application Instructions: Ensure substrates have been prepared; tests for adhesion completed and areas not to be coated have been masked off. Stir well before use. Safekote is best applied with a brush, however a short-hair roller can be used to speed up the process. Lay the paint out with the roller and use the brush to touch it up.

The product 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 non-slip particles will not stand proud.

- **Curing time:** Safekote cures with atmospheric moisture. Depending on temperature and humidity the coating will be touch dry in about 60 – 90 minutes per coat. 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 well cleaned and then solvent wiped just prior to application.

Solvent/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 solvent after the drying time but before final cure.
Note: Do not use equipment previously cleaned in solvents other than xylene with this product, unless completely dry such that no water or alcohols come into contact with this product.

Precautions:
- Do not clean porous surfaces with solvents other than xylene as water and alcohols may be retained and prevent drying of Safekote.
- Do not apply to bare aluminium without an appropriate 2K primer.
- Safekote is highly flammable in its wet state due to its solvent content. Observe all fire precautions.
- Remove any overspray immediately; Safekote is very difficult to remove once cured.
- Once opened use Safekote within 4 hours or a skin may form.
- If a skin forms, remove skin carefully to avoid lumps in the product.
- Ensure good ventilation to prevent build up of flammable solvents.
- Protect from moisture and do not expose unopened cans to temperatures above 50ºC.
- Wear goggles and rubber gloves. Safekote bonds to the skin and can only be removed with a pommel stone.
- If applying Safekote daily, a cartridge-type half face mask with replaceable cartridges for organic fumes should be worn.

Accident Measures:
- Spillage/leakage: Do not empty into drains; keep away from sources of ignition. Ensure ventilation in working area. Take up with absorbent material. Fill into sealable containers.
- Extinguishing media: extinguishing powder, CO_2 or halogens.
- Eye contact: rinse with water. If pain persists see a physician.
- Skin contact: wash with soap and water. Discolouration may persist for a few days.
- Should Safekote be swallowed seek medical advice.

Technical Data:

Pack size:	1 litre & 4 litre
No of components:	Single pack
Touch drying time:	60 - 90 minutes at 25ºC 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
Over-coating time:	Ideal: 60 – 90 minutes at 25ºC 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:	-40ºC to 120ºC
Application temperature:	10ºC to 35ºC
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:	Duram Solvent, Toluene, Xylene
Cleaning the coating:	hot soapy water, methylated spirits
Shelf life:	18 months
Storage conditions:	Cool dry place below 25ºC

The information contained in this leaflet is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give not imply any freedom from patent infringement.

Technical details above are provided in good faith. We are an ISO 9001 2000 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 user conduct his own suitability tests before use.

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