

# TECHNICAL DATA SHEET

## NEW FLOORKOTE LF ENAMEL

**DI040**

**PRODUCT CODE:** Floorkote LF Yellow : FLOORLFYEL (05)

\* LF = Complies with the South African legal lead limit of 90ppm or less.

**PRODUCT DESCRIPTION:** *Floorkote LF Enamel* is a solvent-based, lead free, high quality alkyd/urethane blend suitable for use on cement and concrete floors. *Floorkote LF Enamel* has been formulated for use in light industrial service as a floor coating. For our alternative floor coatings such as **Epoxy**, visit [www.durapaints.co.za](http://www.durapaints.co.za).

**INTENDED USES:** *Floorkote LF Enamel* is a floor coating formulated for application to concrete and cement floors. Suitable for interior use in light industrial service in factories and warehouses.

### FEATURES:

Lead free	Good adhesion
Excellent flexibility	Good abrasion resistance
Excellent weathering resistance	Good flow
Excellent blocking resistance after full cure	Good leveling

**Note:** *Floorkote LF Enamel* should not be immersed or come into contact with acids, alkalies or strong solvents.

### PRODUCT INFORMATION:

- APPEARANCE  
○ COLOUR Semi gloss finish.  
Navy light grey, Green, Yellow and Signal Red
- VOLUME SOLIDS 45% (varies by colour)
- MASS SOLIDS: 60% (varies by colour)
- S G @ 25°C 1.1 (varies by colour)
- RECOMMENDED DFT Min: 40 µm / Max: 50 µm (per coat)
- VISCOSITY @ 25°C 62 - 67 KU (depending on colour)
- THEORETICAL SPREADING RATE 8-9m<sup>2</sup> / LT@ 40µm DFT, varies depending on colour.

### APPLICATION DETAILS:

- MIXING Stir thoroughly with a flat paddle until homogenous.
- SUBSTRATE Cement or concrete floors.
- METHOD Mohair roller, airless spray or brush.
- CLEANING Dura QD thinners or Lacquer thinners.
- THINNING Not recommended.

#### APPLICATION ENVIRONMENT

Surface Temp	Ambient Temp	Relative Humidity
Min 10°C or 2°C above dew point	Min 10°C or 2°C above dew point	Min: 10%
Max.: 40°C	Max.: 40°C	Max.: 85%

- Do not apply when ambient or floor temperature is below 10 °C or during inclement weather.
- DRYING TIME
  - Surface dry: 24 Hours @ 25°C (Light traffic i.e. walking)
  - Hard dry: 48 Hours @ 25°C (Heavy traffic i.e. forklifts)
  - Overcoating time: 16 Hours @ 25°C

### SURFACE PREPARATION:

- The surface must be clean, completely dry (<12% moisture), free from rust, dirt, dust, oil, grease and any other contamination before painting.

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### New Flooring:

- New concrete/cement flooring must be at least 1 month old and have a moisture content of <12% before coating.
- Degrease with **ProLong Grease Devil** and rinse thoroughly with clean water. Allow to dry.
- Ensure that there is no moisture in the substrate before proceeding. Cover a section of flooring with a plastic sheet, weigh down with bricks and leave overnight. If there is no moisture trapped between the floor and plastic sheet, proceed with priming. If moisture prevalent, allow floor to dry fully before proceeding.
- Important: Prime the floor by applying one liberal coat of **Dura Concrete Primer**, using a mohair roller or brush, before applying **Floorkote LF Enamel**. Do not leave the **Dura Concrete Primer** for longer than 72 hours before overcoating with **Floorkote LF Enamel**.

### Previously Painted Concrete/Cement Flooring:

- Remove loose and flaking paint down to a sound substrate and a firm edge by scraping and lightly sanding existing paint to ensure good adhesion.
- **Floorkote LF Enamel** cannot be applied to water-based coatings.
- Degrease with **ProLong Grease Devil** and rinse thoroughly with clean water. Allow to dry.
- Spot prime bare areas with a liberal coat of **Dura Concrete Primer**.

### Old Unpainted Flooring:

- Surface must be sandblasted or acid etched.
- Remove all dust and remaining residue thoroughly before proceeding.
- Degrease with **ProLong Grease Devil**. Rinse thoroughly with fresh water and allow to dry.
- Ensure that there is no moisture in the substrate before proceeding. Cover a section of flooring with a plastic sheet, weigh down with bricks and leave overnight. If there is no moisture trapped between the floor and plastic sheet, proceed with priming. If moisture prevalent, allow floor to dry fully before proceeding.
- Important: Prime the floor by applying one liberal coat of **Dura Concrete Primer**, using a mohair roller or brush, before applying **Floorkote LF Enamel**. Do not leave the **Dura Concrete Primer** for longer than 72 hours before overcoating with **Floorkote LF Enamel**.

## APPLICATION:

- Apply using a mohair roller, airless spray or paint brush.
- Thinning is not recommended.
- Masking tape may be used to aid in line marking definition. Slowly remove masking tape while adjacent coating is still wet.
- Apply two coats of **Floorkote LF Enamel** to the prepared surface so as to achieve complete obliteration and the required DFT.
- Allow a minimum of 16 hours drying time before the application of the second coat.
- Coverage/spreading rate of **Floorkote LF Enamel** depends largely on the condition of the substrate being painted and the manner in which the product is applied.

## STORAGE AND PACKAGING:

- Store in approved fire store.
- Store away from direct sun, heat and severe cold. Do not exceed 50°C.
- Keep containers tightly closed.
- Shelf life 12 months from date of manufacture, when correctly stored and unopened.
- Empty containers should be left open in well ventilated area to dry out.
- Do not pour paint down the drain.
- Brush out unwanted paint on newspaper, allow to dry and dispose of via waste collection.
- Dry containers can be disposed of via waste collection or recycled via recycling programs.

## TRANSPORTATION:

This product is classifiable in accordance with transportation and classification of dangerous goods act (1996). Flammable.

<b>SHIPPING NAME:</b>	Paint related material
<b>PACKAGING GROUP:</b>	III
<b>HAZARD CLASS:</b>	3
<b>S.I.N/UN NUMBER:</b>	1263

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## NEW FLOORKOTE LF ENAMEL (contd.)

### CAUTIONS:

- Do not paint during inclement weather or if temperature of substrate is below 10°C.
- Drying times increase as ambient temperature falls below 25 °C.
- Do not overcoat with water-based coatings or vice versa.
- Do not overcoat **Floorkote LF Enamel** with solvent-based Epoxy Enamel or Polyurethane.
- For optimum performance a practical spreading rate of 9 M<sup>2</sup> / l should not be exceeded.
- **Floorkote LF Enamel** should not be immersed or come into contact with acids, alkalies or strong solvents.
- It is very important to purchase sufficient paint to complete the project. Different batches may result in slight variations in colour that are beyond the control of the manufacturer.
- Do not dilute. Do not add water or thinners to this product.
- Allow sufficient drying time before subjecting **Floorkote LF Enamel** to traffic.

### SAFETY PRECAUTIONS:

- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- In case of skin contact, wash with soap and water or a recognized skin cleaner. Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical attention.
- Harmful if swallowed. Seek medical attention.
- Refer to Safety Data Sheet (SDS) for complete information. See [www.durapaints.co.za](http://www.durapaints.co.za).

### DISCLAIMER:

- *The recommendations contained herein are given in good faith and are meant to guide the specifier or the user.*
- *They are based on results gained from our experiences and tests and are believed to be reliable.*
- *LF denotes compliance with the South African legal lead limit of 90ppm or less.*
- *Products are manufactured to stringent specifications under laboratory controlled conditions. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control. It is up to the customer to determine and confirm the suitability of the product for the required purpose and application.*
- *Warranty is restricted to the replacement of defective product and excludes any direct, indirect or consequential loss of any nature howsoever caused.*
- *Technology may change necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used. See [www.durapaints.co.za](http://www.durapaints.co.za).*