

### FK 50 BLACK PRIMER

Industrial Wood Coatings

2 COMPONENT POLYURETHANE SEALER



**Formaldehyde Free**

#### Description

**FK 50 BLACK PRIMER** is an excellent sealer for porous surfaces like MDF or any other kind of wood. This polyurethane primer has optimum filling and hiding properties with no inert material but very high in solids.

|  |                                       |
|--|---------------------------------------|
| ◆ <b>Viscosity</b> ...130 $\pm$ 1 second. Ford Cup #4 at 77°F (25°C) | ◆ <b>VOC</b> ..... 411 g/Lt           |
| ◆ <b>Solids by Weight</b> ..... 70% $\pm$ 1%                         | ◆ <b>Color</b> ..... White            |
| ◆ <b>Density</b> ..... 1.38  | ◆ <b>Gloss Availability</b> ..... N/A |

**Intended Uses** Intended for use under OK 65, Setaflex 540

#### Designed for interior use

- |                              |                     |
|------------------------------|---------------------|
| ◆ Architectural structures   | ◆ Cabinetry         |
| ◆ Any interior wood surfaces | ◆ Counter tops      |
| ◆ Furniture                  | ◆ Tables and Chairs |

#### Product Preparation

##### Catalyst

- ◆ C 50

##### Thinners

- ◆ DEDE L
- ◆ DEDE LBM

##### Mixing Ratio

- ◆ 2:1 by volume ( catalyze 50% )  
2 parts of **FK 50 BLACK PRIMER** to  
1 parts of C 50 by volume

##### Retarders

- ◆ LR 236 (5% max)

##### Thinning

- ◆ Reduce as needed up to 25%

#### Atmospheric Conditions

- ◆ Surface & air temperature 65°F(18°C) - 85°F(29°C).
- ◆ Relative humidity between 20% and 70%

#### Application Equipment

|                                       | Application Viscosity | Atomizing Air | Tip Size                           | Fluid Pressure |
|---------------------------------------|-----------------------|---------------|------------------------------------|----------------|
| <b>Conventional Equipment</b>         | 19-22 seconds         | 50-55 PSI     | 0.070-0.080 inches<br>1.5 - 2 mm   | 7-10 PSI       |
| <b>H.V.L.P Equipment</b>              | 18-21 seconds         | 19-26 PSI     | 0.042-0.055 inches<br>1 - 1.5mm    | 7-10 PSI       |
| <b>Air Assisted Airless Equipment</b> | 19-27 seconds         | 11-17 PSI     | 0.011-0.013 inches<br>0.6 - 0.9 mm | 290-580 PSI    |

\* All viscosities taken with Ford Cup #4

\*\* The application equipment recommendations are guidelines. Please refer to your application equipment's operation manual for their recommendations.

## Recommended Preparation

### Preparation of new wood

- ◆ All wood to be free of surface contaminants
- ◆ Substrate is to be sanded within 8 hours prior to coating.
- ◆ 180 grit sandpaper on closed grained woods
- ◆ 150 on open grained woods.
- ◆ Moisture should be 6-12%RMC.

### Preparation Method

- ◆ Completely clean application equipment with a compatible Lorchem reducer
- ◆ Catalyze, adjust viscosity and stir material to ensure a uniform mixture. Ensure that the finishing material is grounded
- ◆ Inspect equipment to ensure proper tip sizes and air caps. Damaged equipment should not be used
- ◆ Adjust air and fluid pressures (if applicable) to recommended settings.
- ◆ Ensure that wood is uniformly sealed on all surfaces
- ◆ Allow product to dry as per below in a well ventilated area
- ◆ Completely clean application equipment with a compatible Lorchem reducer.

### Tinting

- ◆ Product can be tinted by a qualified technician up to 25% by weight with 844 colorants

### Drying Time at room Temperature

- ◆ Dust free..... 6-8 minutes
- ◆ Sanding..... 2-4 hours
- ◆ Stacking..... 4-5 hours

### Film Thickness

- ◆ Wet - WFT..... 3 - 5 mils
- ◆ Dry - DFT..... 2.5 mils
- ◆ Theoretical Coverage @ 1 MIL (25 Micron) DFT  
5 m<sup>2</sup>/Lt, 600 sq ft/gal
- \* Results may vary due to transfer efficiency, spray method and substrate.

Pot Life..... 4 hours at 70°F (21°C)

Shelf Life..... 1 year closed container when stored at 70°F (21°C) and out of direct sunlight.  
After one (1) year product should be verified prior to use.

### Performance Test

- ◆ Supplied upon Request

### Material Use and Safety

- ◆ Consult M.S.D.S. for proper safety and first aid procedures.
- ◆ Important to stir contents of the container prior to each use.
- ◆ **FK 50 BLACK PRIMER** is a high quality product which demands experienced knowledge. For more technical assistance on the use of this product please contact your Lorchem Representative.

All our technical data sheets are compiled according to our best studies and are not binding. The user assumes all risks of use. A perfect result depends on a number of factors; the nature of the substrate, the technical and physical possibilities and the user's application technique.

Date issued 01.12.2010

Certified Distributor

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