

## UPS 704 LXF Liquid Line Marker

### Two Component Solvent Free Fast Drying Coating

UPS 704 LXF is a high performance solvent free system specifically developed for use as a high build fast curing line marking system.

UPS 704 LXF is formulated on a complex blend of high molecular weight polymers, which produces a system with outstanding flexibility, impact resistance and colour stability. This unique resin system is combined with a special blend of pigments enabling a select range of colours to be offered suitable for the long term protection of industrial floors.

UPS 704 LXF has excellent adhesion to almost any mineral surface in combination with the appropriate primer and is ideal for long term line marking of car parks and floors in factories, warehouses, kitchens, dairies, breweries or any area where durable line marking is required.

**Before proceeding, please read the following information carefully to ensure that the correct application procedure is fully understood.**

### SURFACE PREPARATION

All surfaces should be clean, dry and free from loose material. Concrete surfaces should have all surface laitance removed by mechanical means, such as enclosed blasting equipment.

**Porous Surfaces:** on certain types of good quality concrete UPS 704 LXF can be applied without a primer, but for optimum cosmetic results concrete should be primed with

**UPS 901 CS Sealer**

Timber and porous asphalt surfaces should be primed with

**UPS 903 FB Primer**

prior to application of UPS 904 LXF

**Non Porous Surfaces and Existing Coatings:** Please contact the Technical Centre for advice.

Areas to be coated should be marked out by low tack masking tape.

If in doubt about the choice of primer consult the **UPS Technical Department.**

### MIXING

UPS 704 LXF is a two component material comprising a Base component and an Activator component which must be mixed together prior to use.

The Base component should be stirred and whilst continuing stirring, the Activator component should be added with mixing continuing until a homogeneous mix results. The use of a mechanical mixer is advisable to ensure thorough and complete mixing.

The mixed product must be used within 20 minutes of mixing at 20° (68°F).

### APPLICATION

Application should not be carried out when the surface to be coated is less than 3°C above the dew point.

**Note:** Whilst there is no restriction on the maximum level of humidity during application, high levels of humidity will increase the rate of cure.

UPS 704 LXF may be applied at temperatures down to -10°C (14°F) but cure times will be extended considerably. For optimum speed of cure, application is best carried out when surface/air temperatures are above 5°C (40°F).

UPS 704 LXF is suitable for application by brush or medium pile rollers, and should be applied to give a uniform thickness of 150-200 microns, higher thicknesses will retard the cure.

UPS 704 LXF may be applied as a single coat or two coat system depending on client requirements.

**Theoretical Coverage Rate**

5 m<sup>2</sup> / litre at 200 microns dft (43 ft<sup>2</sup> per litre at 10 mils dft)

**Recommended Film Thickness**

Wet/Dry 150-200microns(6-8mils)

Detailed working recommendations are available from the UPS Technical Centre on request.

**PHYSICAL CONSTANTS**

**Mixing Ratio** 2 parts base to 1 part activator by volume.

**Appearance** Base Thixotropic Liquid  
Activator Clear Liquid

**Drying & Cure Times**

**at 20°C (68°F)**

Usable Life	20-25minutes
Touch Dry	¾-1 hour
Hard Dry	1-1½ hours
Minimum Overcoating	1 hours
Maximum Overcoating	24 hours
Full Cure	7 Days

**Volume Solids** 100%

**V.O.C.** Nil

**Shelf Life** Use within 2 years of purchase. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°F).

**PHYSICAL PROPERTIES**

<b>Abrasion Resistance</b>	78 mgm weight loss per 1000 cycle
ASTMD4060	1 kg load - CS17 wheel
<b>Hardness</b>	75-80 Shore D
ASTMD2240	
<b>Elongation</b>	15-20%
ASTM D412	
<b>Direct Pull Adhesion</b>	35 kg/cm <sup>2</sup> (500 psi) - Concrete
ASTMD4541	(Concrete Failure)
<b>Tensile Strength</b>	22.6N/mm <sup>2</sup> (3300psi)
ASTM D63	
<b>Tear Strength</b>	95.7N/mm(550psi)
ASTM D624	
<b>Water Vapour Permeability</b>	5.46x10 <sup>-4</sup> perm
ASTMD1653	

**HEALTH AND SAFETY**

As long as normal good practice is observed **UPS 704 LXF** can be safely used.

The use of protective gloves is advisable during use.

A fully detailed **Material Safety Data Sheet** is either included with the material or is available on request.

**PACKAGING**

Supplied in 1.5 litre packs

**COLOURS**

Supplied in: white & warning yellow

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests.



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