BC 883 LLM
Liquid Line Marker – Fast Cure




Industrial Supplier of:

Abrasives
Adhesives
Chemicals
Coatings
Equipment
Lubricants
Sealants
Silicones
Tapes

Bradechem ISO9001 Registered Firm

BC 883 LLM Liquid Line Marker – Fast Cure is a moisture cured two pack solvent free polyaspartic line marking system which can be applied to concrete and other cementitious surfaces. The material is supplied as a two-pack system, comprising pre-weighed amounts of Base and Activator. Once cured the coat will give a semi-gloss UV stable finish with excellent flexibility and durability.

Product Applications
Factory floors, warehouse floors, food preparation areas, brewery floors, laboratories, ramps, walkways etc.,

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

Surface Preparation
Metallic Substrates
All oil and grease must be removed form the surface to be coated using *BC CLEANER MEK.*

For optimum performance, the surface should be abrasive blasted to ***ISO 8501/4 Standard SA2.5 (SSPC SP10 / NACE 2)*** and a minimum blast profile of 75 microns using an angular abrasive. Once blast cleaned, the surface must be degreased and cleaned using *BC CLEANER MEK.* All surfaces must be coted before gingering or oxidation occurs.

Please Note: For salt contaminated surfaces the area must be abrasive blast cleaned as mentioned above and left for 24 hours to allow any ingrained salts to come to the surface. After this 24 hours period the surface must be washed with *BC CLEANER MEK* prior to brush blasting to remove the surface salts. This process must be repeated until all ingrained contaminates have been sweated out of the surface.

Where abrasive blast cleaning is not possible (excluding salt contaminated surfaces) the surface should be roughened by BC Mini-Blaster, needle gun or grinding. Under these conditions adhesion levels will not be optimal although still satisfactory for most applications.

Concrete Surfaces
Remove any contamination and lightly abrasive blast or scarify taking care not to expose the aggregate before application of *BC 881 PFXF*. Allow new concrete to cure for a minimum of 21 days and likewise treat to remove any surface laitance before coating. Where the concrete is dry but highly porous, it is recommended to condition with *BC 909 PP*.

Mixing & Application
Warm the Base component to 15 – 25°C (60 – 77°F) before mixing and do not apply when the ambient or substrate temperature is below 5°C (40°F) or less than 3°C (37°F) above the dew point.

Transfer the contents of the Activator unit into the Base container and mix thoroughly until a uniform material free of any streaks is achieved. From the commencement of mixing the whole of the material should be used within 60 minutes at 20°C.

Apply the mixed material onto the prepared surface by brush or roller. This should be in two coats at a target thickness of 200 microns per coat using a practical coverage rate of 5m^2 per LT per coat. Apply the second coat as soon as possible after the first coat is dry and not in excess of 36 hours.

If slip resistant finish is required a clear aggregate (1.25mm size) can be incorporated into the coating.

Single Coat Application – Apply the BC 883 LLM onto the surface and then broadcast the 1.25mm clear aggregate onto the wet surface at 150gm/m^2.

Two Pack Application – Apply the 1st coat of BC 883 LLM onto the surface and apply the 2nd coat within the over coating window, while the 2nd coat is still wet broadcast the 1.25mm clear aggregate at 150gm/m^2 onto the surface of the coating.

Technical Data & Performance

Characteristics

Coverage Rates

2.5KG / 2.3LT of fully mixed product will give the following coverage rates -	
75mm wide line	153 linear meters @ 200 microns
100mm wide line	115 linear meters @ 200 microns
150mm wide line	76 linear meters @ 200 microns
Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being repaired.	

Drying & Cure Times at 20°C (68°F)

Useable Life	40 – 60 mins
Foot Traffic	90 – 120 mins
Forklift Traffic	6 – 8 hours
Once hardener, the material should be left for the following periods of time at 20°C (68°F) before being subjected to the conditions indicated. These times will be doubled at 10°C (50°F) and halved at 30°C (86°F)	

Appearance

Mixed Material Colour	Red, Yellow or White
Base Component	Red, Yellow or White
Activator Component	Amber

Over Coating Times

Minimum	The applied material can be over coated as soon as it is touch dry
Maximum	The over coating time should not exceed 36 hours
Where the maximum over coating time is exceeded, the material should be allowed to harden before being abraded or flash blasted to remove surface contamination.	

Shelf Life

1 year if unopened and store in normal dry conditions (15-30°C / 60-86°F)

Pack Sizes

This product is available in the following pack sizes;
2.5KG / 2.3LT

Mechanical Properties

Adhesion to Concrete	3.9 Mpa
Adhesion to Mild Steel	12 Mpa
Elongation	>95%

Quality: All Bradechem LTD Products are supplied under the scopes of the company's fully documented quality system.

Warranty: Bradechem LTD warrants that the performance of the product supplied will confirm to the typical descriptions quoted within this Technical Data Sheet provided the material is stored correctly and used according to the procedures detailed in the Technical Data Sheet for the material.

Health & Safety: Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read the fully detailed Material Safety Data Sheet.

Legal Notice: The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Bradechem LTD accepts no liability arising out of the use of this information or the product described herein.