



DIY Waterproofing and Damp-proofing solutions.

Liquid Plastic Acrylic waterproofing

Discussion

LIQUID PLASTIC is a pure acrylic waterproofing polymer, modified with latex that allows extreme flexibility, UV stability and adhesion. The dry film characteristics are unlike traditional waterproofing compounds, showing over 350% elongation and a life expectancy of 8 years. When reinforced with stitch bonded polyester, it forms a homogeneous seamless waterproofing system. LIQUID PLASTIC in conjunction with stitch bonded polyester is suitable for; flashings, parapet walls, properly graded roof decks, lap joints, roofing screws and many other waterproofing details. LIQUID PLASTIC is available in 25L and 5L containers and in a range of four different colours.

Physical Properties

Colour:	Red, Grey, Black, and Terracotta.
Application:	Brush, roller or spray.
Coverage:	2.0L/m ² (depending on surface porosity)
Total Solids:	+/- 70%
Specific Gravity:	+/- 1.2
Viscosity:	100 Krebbs Units at 25°C
Drying Time:	(Between Coats) Minimum 30 minutes at 25°C at 65% R.H. (Last Coat) 2-3 hours before resistant to rain. Full cure 12-20 hours at 25°C at 65% R.H.
Cleaning:	Water when wet. Ethyl acetate when dry.
Flammability:	Non Flammable



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Surface preparation

All forms of surface contamination must be removed to ensure a smooth surface, free of moisture and any loose material, or any other barrier to adhesion. Steel and galvanised steel surfaces must be free of loose paint, grease, grime, oil and rust.

Technical assistance and applicator training are freely available to all approved users.

Application

PRIMING:

All non metal surface – use a 50% LIQUID PLASTIC and clean water mix to prime the entire surface, allow a 30 minute drying time. An acrylic bonding liquid may also be used.

On metal surfaces – Prime with Darachem DC4 and allow 4 hour drying time.

Apply at the rate of 1L/m² undiluted LIQUID PLASTIC and immediately embed the SBP Geo-Fabric into the wet product ensuring no creases or folds in the material. Work the membrane into the LIQUID PLASTIC using a brush. Product should be evident “striking through” the membrane and if this is not the case, too little product has been applied or the product has been allowed to dry before embedding the membrane. At this point the bedding coat for the second run of membrane can be applied.

Apply the second run of membrane into the bedding coat in the same manner ensuring an additional coat at 1L/m² between the 2 layers of membrane at the 100 mm overlap.

After allowing a minimum drying period of 30 minutes, apply a second coat LIQUID PLASTIC at the rate of .5L/m².

Apply a further final coat of LIQUID PLASTIC at the rate of .5L/m². It will be noted that a total of 2.L/m² of LIQUID PLASTIC has now been applied. The minimum weight of the membrane alone shall be 100g/m².

The total weight per m² shall therefore be 1.5 kg

Note drying times are based on a temperature of 25⁰ c min. and a R.H. of 60% max.

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Maintenance

A maintenance re-coat is recommended after five years.