

# Synthaprufe LAC

## Product Data Sheet

### Liquid Asphaltic Compound

December 2005

#### Features and benefits

- Barrier to water and water vapour
- Forms a flexible membrane when cured
- Easy to apply
- Application accommodates awkward details
- Resistant to sulphates

#### Description

Synthaprufe LAC is a high performance waterproofing liquid used as damp proof membrane and as a water-repellent weathering coat, used prior to the erection of masonry. Synthaprufe LAC may be used to protect:

- foundations
- retaining walls (in conjunction with Plasprufe tanking membranes)
- abutments
- steel columns
- beams
- lintels

It is also highly effective as a background weathering for structures behind rain screens and terracotta cladding.

#### Product details

Container sizes: 5, 25 and 200 litre

Typical properties	Synthaprufe LAC
Compound	Bitumen solvent
Solids content %	66
Specific gravity	0.98 (approx.)
Flash point °C	33 (minimum)
Water vapour permeability	0.14g/m <sup>2</sup> per 24hr
Curing time	24 hours (touch dry)
Application temperature	Above 5°C
UV resistance	Low

#### Application

##### Preparation

Structures to receive Synthaprufe LAC should be constructed to reflect the requirements of the Building Regulations and the current British Standards.

All surfaces should be clean, dry and free from frost, oil, grease and any loose or flaky material. Any hollows in the structure must be filled to an even smooth finish with cement mortar. All sharp projections must be removed to give an even surface.

##### Concrete Surfaces

Should be brushed or floated to achieve a smooth surface.

##### Masonry

All masonry should be stable and flush pointed. If necessary consideration should be given to the application of a sand / cement slurry to fully seal all textured surfaces.

##### Metal Surfaces

All metal surfaces must be wire brushed or sand blasted and primed with a suitable steel primer to inhibit rust formation. Synthaprufe LAC is compatible with products such as red oxide and zinc phosphate. Synthaprufe LAC should be applied in two coats at a rate of 2.5m<sup>2</sup>/litre per coat (see below). All surfaces including rivet and bolt heads should be thoroughly coated.

Synthaprufe LAC should be installed as described below, unless otherwise directed by Ruberoid. It should not be installed when the temperature falls below 5°C

Synthaprufe LAC should be applied in two coats with the following coverage rates:

<b>First coat</b>		<b>Second coat</b>	
Metal surfaces:	2.5m <sup>2</sup> per litre	All surfaces:	2.5m <sup>2</sup> per litre
All other surfaces:	1.5m <sup>2</sup> per litre		

Pour Synthaprufe LAC into a suitable metal container. Synthaprufe LAC should be applied with a stiff brush and worked into the surface at the recommended coverage rate. Synthaprufe LAC applied to horizontal surfaces should be dressed up vertical walls and connected to the damp proof course installed in the walls. Synthaprufe LAC should not be allowed to pool in depressions and should not be poured from the tin/drum directly on to the substrate.

The first coat should be given 24 hours to dry. This time may extend if air temperature is low and ventilation poor. However, drying times can be assisted by the provision of a forced draft. The second coat must only be applied when the first coat is completely dry.

When both coats forming the membrane have been applied, and it is completely dry, it should be covered with a minimum 50mm sand / cement floor screed.

In locations where the membrane is likely to receive site traffic or come in contact with backfill material Ruberoid Plasprufe Protection Boards should be installed over the membrane.

Avoid exposing the membrane to UV light. Plasprufe Protection Boards should be installed if exposure to UV light is expected to be over 25 days.

#### **Equipment care**

Brushes and other equipment should be cleaned using White Spirit.

#### **Storage**

Store the product away from any source of ignition at temperatures between 5°C and 30°C.

#### **Shelf life**

Properly stored the product has a shelf life of 2 years

#### **Health and safety**

A Health and Safety data sheet relating to Synthaprufe LAC is available from the Technical & Design Services Department on 0800 587 7391 or E-mail [wat.tech@ruberoid.co.uk](mailto:wat.tech@ruberoid.co.uk). Alternatively, Health and Safety data sheets for all Ruberoid products are available as down-loads from the Ruberoid web site: [www.ruberoid.co.uk](http://www.ruberoid.co.uk)

#### **Technical and design support**

Technical advice can be obtained from the Technical & Design Services Department on:  
Tel: 0800 587 7391 Fax 01257 252986 Email [wat.tech@ruberoid.co.uk](mailto:wat.tech@ruberoid.co.uk)

#### **Other products**

Ruberoid is part of the IKO Group which manufactures and supplies a wide range of high performance, insulated roofing systems including bituminous membranes, mastic asphalt, hot melt and polymeric single ply. The range also encompasses green roof systems, DPCs/DPMs/tanking materials and liquid waterproofing solutions and compounds. Full product literature is available as downloads from the web site: [www.ruberoid.co.uk](http://www.ruberoid.co.uk) or on request by email: [marketing@ruberoid.co.uk](mailto:marketing@ruberoid.co.uk)

#### **Ruberoid Building Products**

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