SITESEAL LAC

Liquid Asphaltic Compound for Waterproofing Coating

PRODUCT DESCRIPTION

A solvent based, cold applied bituminous compound containing a small amount of organic fibre to add strength and stability. An effective, general purpose roof coating that is resistant to water almost immediately after application, therefore ideally suited for winter use. Siteseal LAC may be used to reseal waterproof and repair many different types of roof coverings.

USES

- Asphalt roofs
- Built-up felt roofs
- Concrete roof decks
- Asbestos-cement sheeting
- Metal sheet including iron, steel, zinc and lead
- Slates and tiles

Siteseal LAC may be used in conjunction with a rot-proof Hessian reinforcement scrim or a bituminised glass fibre scrim. It may also be used as a vapour barrier.

APPLICATIONS

- Care needs to be taken over preparation of surfaces before application and will influence the degree of adhesion and life of the renovation.
- All surfaces must be free from oil, dirt, dust and loose debris.
- All traces of algae and fungus growth should be removed using a stiff brush and the surface treated with a fungicide to kill any remaining spores thereby discouraging the return of any growths.
- Method of application; by brush or airless spray.
- Must be stirred prior to use using a paddle or similar mixer.

Asphalt Roofs

- On asphalt roofs where blisters have occurred, these should be heated with a blow lamp until soft and then smoothed out.
- If the asphalt is crumbling or badly cracked it must be removed and replaced with a polyester based underlay.
- Siteseal LAC should be applied by brush in two coats, the first being allowed to dry before the second is applied.

Built-up Felt Roofs

- Remove any loose chippings and carry out the preparatory work detailed above.
- Minor marks and defects will be effectively filled and covered by Siteseal LAC but where these are wider than 0.75mm they should be filled with trowed mastic and allowed to dry.
- Blisters in roofing felt should be opened out, cleaned with a stiff bristled brush and coated with Siteseal LAC at 1.5m^2 per litre.
- Siteseal LAC should be allowed to set until tacky and then the felt should be re-fixed by bonding it down.
- In each of the above cases the Siteseal LAC and a glass membrane should then be applied.

Reinforced Concrete

- Carry out preparatory work. If the deck is new it should be first allowed to cure and then priming using Siteseal Universal Prim er at 6-8m^2 per litre (rate depending upon porosity).

Asbestos-Cement Sheeting

- Carry out preparatory work. It is particularly important that the asbestos cement is not saturated with water before protective coating commences.
- Wait until the asbestos cement sheeting is dry and then apply one coat of bitumen primer.
- Allow the primer to dry and apply two coats of Siteseal LAC.
- Ensure that complete contact is achieved and no air is trapped beneath the Siteseal LAC.

Metal Surfaces

- Where these show sign of corrosion such as loose rust this should be removed by using a wire bristled brush.
- A rust inhibitive treatment should be applied to ensure that the rust will not return.
- For normal circumstances, scrubbing with a wire brush is sufficient preparation.
- Siteseal LAC should then be applied in two coats at the rate of 1.5m^2 per litre per coat.

Slate and Tiles

- Carry out preparatory work.
- The roof should be examined for damaged or loose slates or tiles.
- Any loose tiles or slates should be re-fixed firmly in place.
- Siteseal LAC and a glass membrane should then be applied.

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To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors.

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Scrim Treatment

- In order to bridge gaps, cracks and fissures and in all cases where roof surfaces are in advances states of decay it is recommended that Siteseal LAC be used in conjunction with a reinforcing membrane, either rot-proof hessian or preferably glass membrane.
- Having ensured that the surface is clean and receptive to the coating product, apply a first coat at 1m^2 per litre.
- Immediately apply the glass membrane into the wet Siteseal LAC film using a brush charged with Siteseal LAC.
- Ensure that complete contact is achieved and that no air is trapped beneath the Siteseal LAC.
- The glass membrane should be lapped by 50 to 75mm and the inside of each lap should be painted with the Siteseal LAC.
- Small gaps and differences in levels should be bridged ensuring that the glass membrane is not pulled too tightly across the gap so that any movements in the structure will be accommodated.
- Least 150mm and secure using self adhesive flashing (150 mm width) allowing 75mm to be in contact with the brickwork above.
- Apply a second coat of Siteseal LAC and allow this to dry.

Final Surface

- It is beneficial to the coating and to the rest of the roof structure to give a final solar reflective finish.
- An exposed black bituminous surface should be avoided on a pitched or flat roof.
- When using Siteseal LAC a third and final coat should be preferably applied at 1.5m^2 per litre and, while the film is still tacky well blinded with 1 to 2 mm (7 to 14 mesh) stone chippings or clean sharp sand.
- Alternatively onto the final Siteseal LAC which should be allowed to weather for a minimum of two weeks, preferably one month, a solar reflective coating can be provided using aluminium paint.

Vapour Barrier

- When insulating material is placed on a flat roof deck it is essential to prevent condensation water vapour from entering the insulation.
- If this is allowed to happen it can damage the insulation.
- Two coats of Siteseal LAC, the first applied at 1m^2 per litre, will help prevent this.
- The Siteseal LAC should be applied to the "warm" side, care being taken to avoid pinholes and imperfections in the coating.
- After the Siteseal LAC has dried the insulation may be applied over it.

VOC DETAILS

- EU Limit for this product CAT 2(i): 500g/l (2010). This product contains max. 250g/l VOC.

COVERAGE

- Solseal LAC should normally be applied in two coats at 1-1.5m^2 per litre depending upon the porosity of the surface.

CLEANING TOOLS

- Tools may be cleaned with white spirit.
- Minor spillages should be wiped off surfaces before the Siteseal LAC has set.
- Major spillages should be mopped up immediately with an inert, absorbent material such as sand and disposed of in accordance with regulations.

STORAGE LIFE

- Minimum 12 months in undamaged, tightly sealed containers.
- Siteseal LAC should be stored indoors away from all sources of ignition, naked flames and hot lights etc.

IMPORTANT NOTICE

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company.

It is the responsibility of the customer to satisfy himself that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable, and that in the light of our continual research and development programme the information relating to each product has not been superseded.

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