

LEAKSEAL® BituLastic Waterproofing

EXTERIOR

WATER BASED

1K

Description:

A rubberised, water based, bitumen emulsion waterproofing coating used with or without reinforcing membrane to form a waterproofing system.

Intended Uses:

Designed for use as a liquid waterproofing on flat roofs, parapet walls, sealing of joints, laps, and roofing screws on profiled metal roofs, under tiles or in areas of total water immersion such as ponds, gutters or dams and other water retaining structures.

Features & Benefits:

- One component – ready to use applied by brush, roller, or trowel.
- Excellent sag resistance on vertical surfaces.
- Elastic and flexible at low temperatures.
- Non-toxic.
- Highly elastic and crack bridging.
- Over-coatable by bitumen silver or acrylic coatings.
- Early water resistance.
- Resistant to softening at high temperatures 80°C.

Technical Data:

Composition	Polymer modified bitumen
Colour	Black
Pack Size	5 & 20 Lt
Density Comp. A kg / Lt	1.06
Volume Solids	51%
Yield	1 coat to achieve 1.0 mm DFT 2 Lt / m ² per coat @ 2.0mm WFT per coat or 1mm DFT per coat
Drying time – min overcoating @ 25°C	Touch dry – 1 hour Overcoat. Approx. 24 hours Full cure – 7 Days
Full Cure	Approx. 3 days
Method of Application	Brush, roller, or airless spray
Application Temperature range min – max	15 - 30 °C
Relative Humidity	Max 70% RH
Dew Point	Min 3°C above dew point
Substrate Moisture	Max 5%
Storage	Store out of direct sunlight in dry conditions between 15°C and 25°C
Shelf Life	12 months when stored as recommended in original un-opened containers
Clean Up Solvent	Water

System – Reinforced:

In all cases/project a written specification should be provided. Below is a typical guideline for LEAKSEAL® BituLastic Waterproofing.

Build up: *LEAKSEAL® BituLastic Waterproofing* applied in 2 coats and reinforced with *LEAKSEAL® PES Fleece Reinforcing* and sealed with one or two additional coats of *LEAKSEAL® BituLastic Waterproofing*

Substrates: Concrete, metal, wood

Primers: Refer to primer table below

Layer	Product	Thickness (DFT)	Yield m ² / Lt	Yield Lt / m ²
Primer for mineral, cementitious substrates	<i>Deep Penetrating Primer WB</i>	50µm	8.00	0.13
1 st	<i>LEAKSEAL® BituLastic Waterproofing</i>	250 µm	2.00	0.50
2 nd	<i>LEAKSEAL® BituLastic Waterproofing</i>	500 µm	1.00	1.00
3 rd	<i>LEAKSEAL® PES Fleece Reinforcing</i>			
4 th	<i>LEAKSEAL® BituLastic Waterproofing</i>	500 µm	1.00	1.00
5 th	<i>LEAKSEAL® BituLastic Waterproofing</i>	500 µm	1.00	1.00

Surface Preparation:

All products must be applied on pre-primed surfaces.

In general, the following guidelines for preparation should be adhered to:

- The areas to be coated should be dry, firm, solid and free from dust, oil, fats and other contaminants.
- Laitance and loose particles must be removed thoroughly i.e. grinding / abrasive blast cleaning.
- Oils and fats, humidity can be removed by flame treating.
- Substrate moisture should not be higher than 5%.

Mixing:

Prior to application container contents should be mixed well for 1 minute in order to achieve a homogeneous mixture. Take care not to entrain air during mixing.

Application:

With Fleece

LEAKSEAL® BituLastic Waterproofing can be applied by airless spray or roller. If using airless spray, a roller should still be used to “work” the coating into the reinforcing fabric.

1. Apply 1st coat of LEAKSEAL® BituLastic Waterproofing, allow to dry
2. Apply 2nd coat of LEAKSEAL® BituLastic Waterproofing, while wet roll in the *LEAKSEAL® PES Fleece Reinforcing* and ensure that there are no bubbles or creases. Overlap the fleece minimum 5cm.
3. Apply 3rd thin coat right into the wet fleece to achieve required thickness, the entire application should happen while still wet. Repeat steps 2 and 3 until entire area is covered.
4. Allow to dry and apply 4th coat to cover entire area

Without Fleece

LEAKSEAL® BituLastic Waterproofing can be applied by airless spray or roller.

1. Apply 1st coat of LEAKSEAL® BituLastic Waterproofing, allow to dry
2. Apply 2nd coat of LEAKSEAL® BituLastic Waterproofing.

For airless spray, a minimum 21 thou tip should be used. In cases where product needs to be a thinned, a maximum of 5% clean drinking water can be added.

Caution:

- NOT suitable for substrate with rising moisture or hydrostatic pressure.
- Ensure temperature does not drop below the recommendation application conditions before fully cured.
- Do not allow temporary ponding between coats. Mop off any ponding water.
- Not suitable for pedestrian traffic.
- Surface should always be 3°C above the dew point.
- Application always requires a suitable primer.
- Always consult with technical department if unsure.
- Refer to product SDS for health & safety prior to using products.
- Always wear safety clothing / protection. Respirators, eye protection and skin protection.