

## SpecShield Anti-Seepage

Elastic liquid waterproofing system

A one component, water-based, elastomeric waterproofing coating formulated on a UV curing pure acrylic resin.

### Intended Uses:

SpecShield Anti-Seepage is a high-performance universal roof waterproofing system specifically developed for the long-term protection of all types of roof surfaces. It is used as a high build, flexible waterproof coating on pitched/vertical and flat/horizontal applications. When used with reinforcement membranes, the performance, durability & lifetime of the system is increased. SpecShield Anti-Seepage can also be used for the refurbishment of aged bituminous membranes as an alternative to silver paint, to extend the lifetime of the roof with minimum maintenance.

SpecShield Anti-Seepage offers outstanding weatherproofing and waterproofing properties with optimum levels of UV resistance, flexibility (+/- 250% extension), adhesion and durability for any correctly primed surface including asphalt, bitumen, mineral felt, asbestos, aluminium, concrete, galvanizing or any other metal surface.

Applied by brush, roller, or spray. When fully cured, SpecShield Anti-Seepage forms a tough, seamless skin that allows substrate movement, and provides a highly durable and highly effective barrier against water penetration. SpecShield Anti-Seepage has a vapour permeable composition that will allow damp substrates to breathe without any loss of the adhesive qualities. SpecShield Anti-Seepage is water based, free from odour and toxicities, and is available in a virtually any colour, best resistance to UV degradation in lighter shades.

### Features & Benefits:

- Excellent adhesion to suitably prepared and primed surfaces.
- With reinforcement, it bridges surface cracks up to 1.25mm.
- Provides a rubbery hard surface which can take foot traffic.
- Outstanding exterior durability, weather & UV resistance. No needing for over coating (Light Colours).
- Coating is highly flexible and will not form any hairline cracks due to underlying plaster/surface.
- High hydrophobicity (Providing efflorescence resistance and low water swelling).
- Excellent resistance to dirt pickup.
- Long lasting. Low temperature flexibility, and crack resistance to lengthen the life of the roof.
- Very good adhesion to multiple roofing substrates i.e concrete, galvanized sheets, polyurethane foams etc.
- Good protection against carbonation & environmental degradation.
- Very good resistance to transmission of ponded water.
- Forms a seamless waterproofing barrier.
- Retains flexibility and elasticity – expands & contracts alongside waterproofing membrane.

### Technical Data:

|                        |                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------|
| Colour                 | Available in any colour. Lighter colours will provide higher UV resistance.                            |
| Finish                 | Low sheen                                                                                              |
| Volume Solids          | 50%                                                                                                    |
| Typical Film Thickness | 180µm DFT (360µm WFT) per coat                                                                         |
| Theoretical Coverage   | 2.77m <sup>2</sup> /Litre @ 180µm DFT, allow for loss factors<br>1.38m <sup>2</sup> /Litre @ 360µm DFT |
| Method of Application  | Brush, roller, or spray                                                                                |
| Number of Coats        | Please see systems section of the datasheet.                                                           |
| Viscosity              | 135 – 150 KU (high viscosity to achieve high film thickness)                                           |

### WATERPROOFING: LIQUID WATERPROOFING

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**Latest Update:**  
09/05/2025  
**Issue Date:**  
27/04/2019

## Physical Test Results:

|                                                                                                                                                                                                                                        |                                                            |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----|
| <b>Tensile Properties ASTM D 2370</b><br>10 specimens; 76mm long x 12.7mm" wide x 500µm dry film Conditioned 14 days±12h @ 23°C & 50±10% RH. Test Speed 25 ±05 mm/min. Test Condition 23±1°C & 50±10% RH Tensile Elongation 30d @ 80°C | Initial Percent Elongation (break) (%)                     | 284 |
|                                                                                                                                                                                                                                        | Initial Tensile Strength (psi)                             | 216 |
|                                                                                                                                                                                                                                        | Final Elongation (break) (%) accelerated weathering 1,000h | 194 |
| <b>Permeance</b><br>3 specimens, test chamber @ 23°C & 50% RH tested in an inverted position                                                                                                                                           | (perms) ASTM D 1653 Method B Condition A                   | 4   |
| <b>Water Swelling ASTM D 471</b><br>3 Specimens; 25.4mm x 50.8mm X 500um Dry Film immersed in distilled water for 7 days (+/-4h) @ 23°C                                                                                                | % Mass                                                     | 11  |
| Tear Resistance ASTM D 51                                                                                                                                                                                                              | Kg /mm                                                     | 1.8 |

## Drying Information:

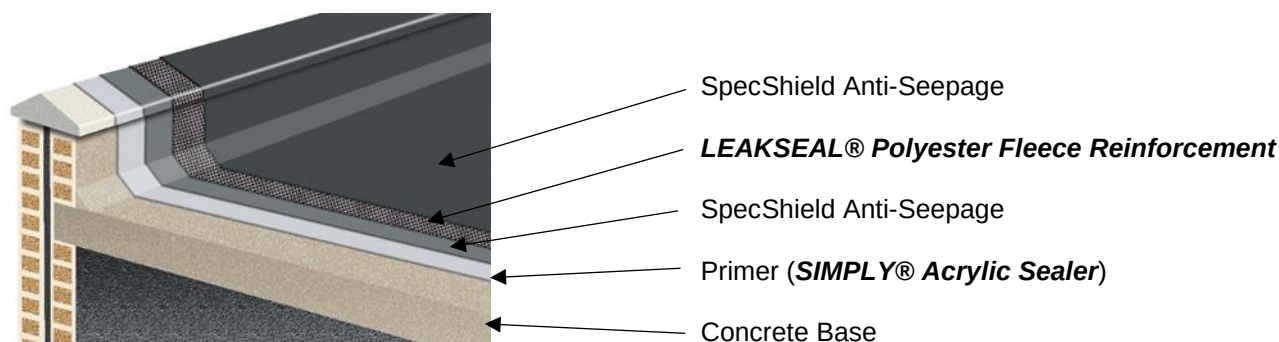
|                                           | 0°C       | 10°C | 20°C | 25°C     | 40°C | 45°C |
|-------------------------------------------|-----------|------|------|----------|------|------|
| Touch Dry                                 | -         | -    | -    | 2 hrs    | -    | -    |
| Hard Dry                                  | -         | -    | -    | 16 hrs   | -    | -    |
| <b>Overcoating Data – See Limitations</b> |           |      |      |          |      |      |
| Substrate Temp.                           | 0°C       | 10°C | 20°C | 25°C     | 40°C | 45°C |
| Minimum                                   | -         | -    | -    | 2 – 4hrs | -    | -    |
| Maximum                                   | Extended* |      |      |          |      |      |

**Note:** ±2 – 3 weeks full cure – apply in conditions that accelerate drying such as sunshine and wind. Do not apply if rain is imminent.

## Systems:

### Typical System Build Ups:

**Flat 'F' –** SpecShield Anti-Seepage applied in one coat then totally reinforced with **LEAKSEAL® Polyester Fleece Reinforcement**. Then one further coat of SpecShield Anti-Seepage applied overall.



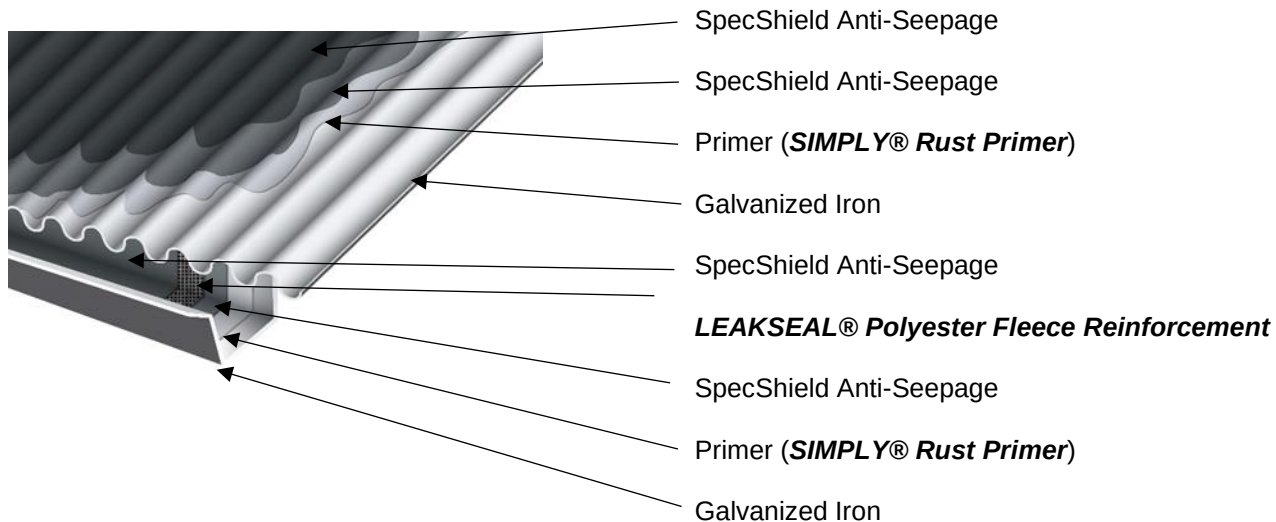
**Pitched 'P' –** SpecShield Anti-Seepage applied in one coat then reinforced totally with **LEAKSEAL® Polyester Fleece Reinforcement** on all vertical joints. One further coat of SpecShield Anti-Seepage applied overall.

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**Walls** – SpecShield Anti-Seepage applied in two coats the minimum recommended DFT per coat without reinforcing.

**Gutters** – SpecShield Anti-Seepage applied in one coat then totally reinforced with **LEAKSEAL® Polyester Fleece Reinforcement**. Then one further coat of SpecShield Anti-Seepage applied overall.



**Over tiles** – SpecShield Anti-Seepage applied in one coat then totally reinforced with **LEAKSEAL® Polyester Fleece Reinforcement**. Then one further coat of SpecShield Anti-Seepage applied overall, and scatter **Aggregate** into the wet surface at a rate of 0.5 - 1.0 kg / m<sup>2</sup>. This will completely blind the surface. After initial curing the excess aggregate should be swept off or vacuumed for re-use if needed. Then one further coat of SpecShield Anti-Seepage applied overall to seal aggregate

## Surface Preparation:

The SpecShield Anti-Seepage system should only be applied to structurally sound roof areas. On flat roofs which have been dressed using large or medium sized chippings, these must be removed prior to application. A mechanical flail should be used to remove the chippings and then the areas swept down to all loose dirt and dust.

On asphalt roofs, blisters should be cut out and the voids filled with **REPAIR - Cement Mortar Flexi**.

Any areas of moss or lichen growth should be treated with **Fungicidal Wash** in accordance with the instructions.

Any surface to be protected must be clean, dry and firm, and this is especially important with glass, metallic or plastic surfaces.

## Primers:

### Bituminous and Porous Surfaces:

Surfaces should be primed with **Bituminous & Porous Sealer Primer**.

### Glass, Previously Painted Surfaces and Most Metal Surfaces:

Surfaces should be primed with **Epoxy WB GP Primer**.

### Damp and Green Concrete:

Should be primed with **LEAKSEAL® Damp Plaster Primer SB** or **Epoxy Cureseal WB** - cure guidelines should then be followed.

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## Application:

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                  |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Mixing            | <p>Material is supplied in plastic containers. This is a one component product and does not require a hardener.</p> <p>Agitate/stir the product well before use to ensure a homogeneous mix and no settlement of pigments.</p> <p>No thinners should be added to this product.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |
| Processing        | <p><b>LEAKSEAL® Polyester Fleece Reinforcement</b> should be secured into the SpecShield Anti-Seepage immediately after application where necessary. The reinforcing must follow the contour of the surface and must not be pulled or stretched to leave hollow areas.</p> <p>SpecShield Anti-Seepage should then be brushed/sprayed onto and through the reinforcing, keeping the thickness of the SpecShield Anti-Seepage as evenly as possible, and no thicker than required to wet down the reinforcing.</p> <p>The second coat of SpecShield Anti-Seepage should then be applied using a good quality brush or airless spray a minimum of 2 - 4 hours after the first coat. The minimum over coating interval will depending upon the roof temperature and drying conditions. Provided the first layer of SpecShield Anti-Seepage is clean there is no maximum over coating time.</p> <p>Do not apply SpecShield Anti-Seepage beyond the areas coated with primer.</p> <p>Where large applications are involved, reinforcing should be laid out over the primed areas and the SpecShield Anti-Seepage brushed/sprayed through the reinforcing to provide a uniform layer which follows the contour of the surface. Adjacent widths of reinforcing should allow 1 - 2 cm overlap.</p> |                                                                                  |
| Thinner           | Should not be thinned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                  |
| Application Tools | Brush / roller                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Recommended                                                                      |
|                   | Airless Spray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Minimum tip size is 17 Thou. Pressure at the tip should not be less than 180 bar |
| Cleaner           | SA65 Thinner Water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | For dry paint and equipment.<br>For wet paint.                                   |
| Work Stoppage     | Thoroughly flush all equipment with <b>water</b> . All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning and/or a viscosity increase of the material after storage. Material should be sieved and viscosity re-adjusted before used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |
| Clean Up          | Clean all equipment immediately after use with <b>water</b> . It is advisable to periodically flush out spraying equipment throughout the course of the working day. Frequency of cleaning is dependant of upon the amount sprayed, temperature and elapsed time, including delays.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                  |

## Environment:

|         | Surface Temperature | Ambient Temperature | Relative Humidity |
|---------|---------------------|---------------------|-------------------|
| Minimum | 5°C*                | 7°C                 | No lower limit    |
| Maximum | 35°C**              | 45°C                | 90%               |

\* or 3°C above dew point. In winter months. Due consideration must be given to the early onset of condensation formation in the early afternoon and application should be discontinued before this time.

\*\* Higher temperatures result in reduced sag resistance and faster cure.

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## Limitations:

- After applying the final coat, allow to dry for two days prior to wetting or rain.
- It should be noted that the success of a waterproofing system is dependent on the skill of the person applying the products.
- Heavy wet film thicknesses exceeding 600µm WFT should be avoided as mud cracking will occur.
- Material (in closed containers) should be maintained in protected storage in accordance with information given in the STORAGE section of this data sheet.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating.

## Pack Size:

5 Litre & 20 Litre.

## Storage:

- Shelf Life: 24 months at 25°C from date of manufacture. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight away from sources of heat or ignition.

## Precautions:

For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product.