

**CHEMILINK**  
ZERO WASTE ENGINEERING

# CHEMILINK™ SS-254

## Liquid Applied Acrylic Waterproofing Membrane

### Description

Chemilink™ SS-254 is a single component, ready-to-use, water-based, liquid applied flexible acrylic waterproofing membrane. It is specially formulated with selected polymers, fillers and additives to provide excellent waterproofing and long-term protection of exterior surfaces.

### Typical Uses

- Waterproofing of concrete, metal or tiled roofs
- Waterproofing of exterior walls and facades
- Protection of reinforced concrete from carbonation and chloride ion

### Advantages

- Single component – ready to use
- Water-based – environmentally friendly
- Decorative – available in a wide colour range
- Waterproof and weatherproof – suitable for interior and exterior applications
- High solid – faster drying and lower shrinkage
- Elastomeric – able to bridge cracks
- Good dirt-pick-up resistance
- Excellent adhesions to different substrates
- Applicable to all common building materials such as concrete, brick, wood, steel metal, masonry etc
- Can be applied by brush, roller and spray

### Limitations

- Do not apply to areas where constant water immersion or ponding is expected.
- Do not apply to areas subjected to heavy foot or vehicle traffic.
- Do not apply on substrates that are not dry.

### Technical Data

- Product Type: Acrylic copolymer
- Appearance: Thick creamy paste
- Elongation at Break (ASTM D412:98a):  $\geq 150\%$
- Tensile Strength (ASTM D412:98a):  $\geq 2\text{MPa}$
- Adhesion (ASTM D4541:95):  $\geq 1.2\text{MPa}$
- Solid Content:  $> 75\%$
- Shore Hardness (ASTM D2240:00): 62
- Crack Bridging (ASTM C836:95): No cracks
- Water Penetration (DIN 1048 Part 5: 91): 0
- UV Exposure: No cracks

### Surface Preparation

The surfaces to be coated must be dry, clean, sound, and free from dust, loose particles, oil, grease, or any other contaminant. Jet washing or mechanical abrading is recommended to improve adhesion if applied on existing surfaces.

- New concretes, renders or screeds should be cured for at least 14 days.
- When using over existing sound coatings or membranes, trials should be conducted to assess the compatibility and the bond to substrates.
- Adhesion can be improved by priming with Chemilink™ SS-232.
- Adhesion to absorbent substrates can be improved by priming with diluted Chemilink™ SS-254 (10 – 30% water by volume).

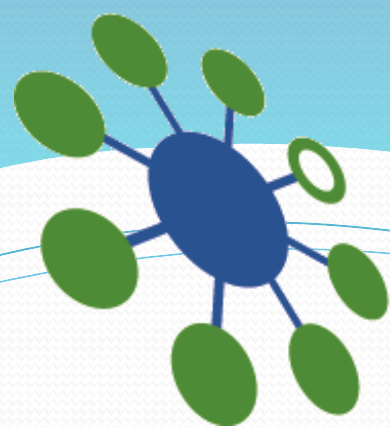
### Application

Normally at least two coats of Chemilink™ SS-254 are applied. Chemilink™ SS-254 can be applied by roller, brush or airless spray. Apply all subsequent coats in the opposite or perpendicular direction to the previous coat.

Reinforcing fabric mats (polyester or fiberglass) can be embedded against membrane rupture between two coats. Ensure the mat is applied into a wet coat and be over coated with the subsequent coats.

Drying time will vary depending on ambient temperature, relative humidity and substrate absorption. The second coat should be applied as soon as the first coat is dry (typically 1 – 2 hours).





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### Packaging and Coverage

Package: 25kg plastic pail

Coverage: Approximately 0.6kg/m<sup>2</sup>/coat (1.7m<sup>2</sup>/kg/coat)

The total coverage is dependent upon application requirements and surface condition. One pail of Chemilink™ SS-254 will cover 26m<sup>2</sup> at dry film thickness of 0.5mm.:

### Colours

Colour: available in a wide range

White and Grey are available ex-stock.

Other colours can be supplied upon request.

### Cleaning

Tools and equipment should be cleaned thoroughly with water before the coating hardens.

### Storage

Chemilink™ SS-254 can be kept for 12 months from the date of manufacture if stored in original unopened packing in a cool dry place.

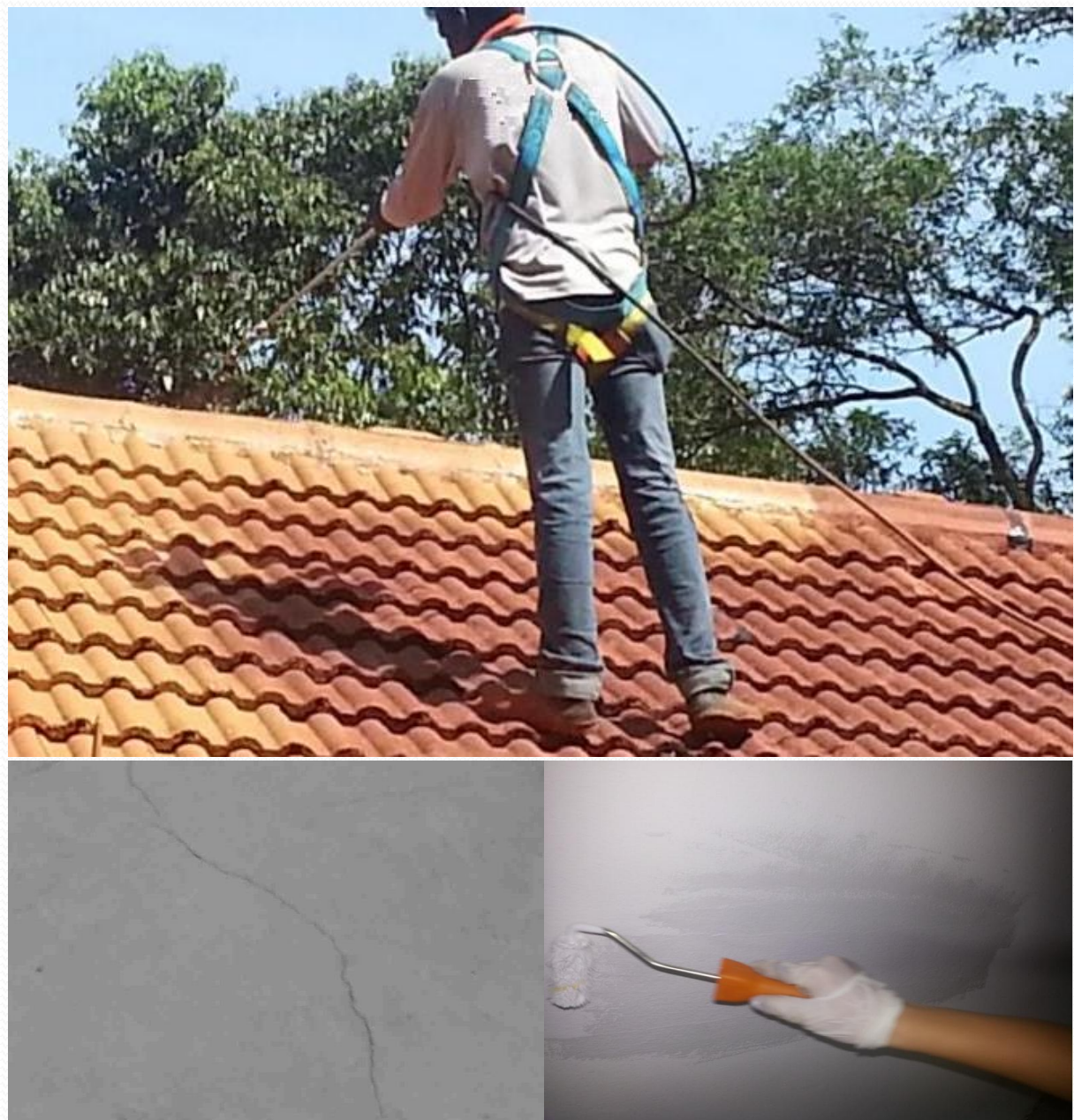
### Health and Safety

Product is classified as non-hazardous.

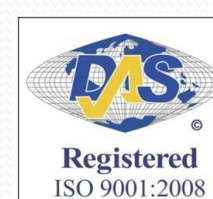
Protect hands with rubber gloves.

Avoid contact with skin and eyes. Any splashes to skin and eyes, flush with water.

For detailed information, please follow instruction on the product Material Safety Data Sheet.



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*Our technical advice on the uses of our materials is given without obligation. The buyer is responsible for the application and processing of our products, and he is also liable for observing any third party rights. Technical data concerning our products are typical values.*

### CHEMILINK™ TECHNOLOGIES & PRODUCTS

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