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## SEIRE WP150

**Water-based aliphatic polyurethane coating for visitable and trafficable waterproofing**

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One component

Solvent free, low VOC, not ADR

Easy application and repair

Accommodates any substrate geometry

Watertight

Permeable to water vapour

Permanent elasticity

Weather and UV proof

For vertical and horizontal outdoor surfaces (even at zero slope)

Tested and classified according to ETAG 005



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# SEIRE WP150

## Water-based aliphatic polyurethane coating for visitable and trafficable waterproofing

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### Product description:

One-component, coloured, water-based aliphatic polyurethane polymer dispersion that generates a waterproof, elastic membrane which, regardless of extra protection, is resistant to weathering and colour change generated by UV light.

The membrane has permanent elasticity, even at low temperatures, being able to absorb substrate movements.

Environmentally friendly: Solvent free, low VOC. Not ADR.

Colours: White, grey and red.

After curing, SEIRE WP150 is watertight, resistant to frost and weathering, as well as water vapour breathable.

### Applications:

Visitable and trafficable roofs and decks in:

- New construction waterproofing.
- Re-waterproofing and renovation of deteriorated waterproofing systems like granulated bituminous sheets
- Waterproofing of roofing tiles
- Protection of PU foam
- Applicable on flat decks with zero slope.
- Waterproofing of vertical elements.

### Substrate preparation:

The substrate must be hard, solid and free of laitance, grease, oils, waxes, dust or other loose particles such as paint, release agents, limescale, mortar, plaster, adhesive residues, etc., which may impair adhesion to the substrate.

Concrete surfaces can be moist (max 6%) but not wet or waterlogged.

Substrate preparation must be prepared with specialist machinery; sanding, milling or diamond tools depending on the state of the substrate. Subsequently, a vacuum will be carried out. Properly treat and seal all joints or gaps in the concrete substrate where differential movement is expected (for example expansion joints).

### Primer:

On concrete substrates or porous cement and sand screeds more than 28 days old, porous and absorbent ceramic or natural stone slabs, it is not necessary to use a specific primer, it is recommended to use a first coat of the same product diluted at 30%.

On old bituminous membranes with sufficient roughness and not coated with plastic or aluminium, the product does not need any specific primer.

On alkaline and non/low porous substrates it is advised to use SEIRE WP PRIMER as a primer.

### Recommendations:

SEIRE WP150 should be stirred before use.

The minimum thickness of the membrane depends on the use for which the waterproofing is intended, whether it is visitable / trafficable and the type of smooth / non-slip finish.

It is advisable to follow the detailed instructions in the suitable *System Sheet*.

To obtain a totally smooth finish, application with airless machine is advised.

### Limitations:

Do not use SEIRE WP150 where ambient and/or substrate temperatures are less than 5°C or less than 3°C above the dew point.

Do not use where ambient and/or substrate temperatures exceed 30°C or where ambient humidity exceeds 85%.

Avoid application while raining or in strong wind and when freezing is expected in short.

Ensure proper ventilation during application and curing, particularly in confined spaces.

All SEIRE products are manufactured subject to rigorous quality controls and procedures; however, if strict color consistency is required, you are advised to use products taken from the same lot.

**This membrane is not designed to support adhered systems and should preferably be left exposed.**

It should only be covered with SEIRE WP300 INSULATION (top coat in the Cool Roof system) or with SEIRE WP200 (optional top coat in visitable and trafficable waterproofing systems).

### Method of application:

When primer layer is cured, apply with brush or roller until the desired thickness is achieved.

When necessary, application may be by Airless at 200 bar pressure with a 423 or 425 nozzle and a 50 mesh filter.

Successive layers can be applied when the former one can be walked on without stickiness.

It is strongly advised to bridge singular points by embedding a non-woven Polyester or Polypropylene-Polyester geotextile (ADIMATT 110). This same treatment, that ensures a minimal thickness, improves wear and tear resistance of the membrane and is a must for transitable waterproofing applications.

### Consumption:

The consumption of SEIRE WP 150 depends on the system ranging 1.5-3.5 kg/m<sup>2</sup>.

### Cleaning of tools and equipment:

SEIRE WP 150 can be cleaned with water immediately after use. If the product is allowed to harden, it will have to be removed mechanically.

### Residues/spillages:

Any spillage must be removed immediately with sand, vermiculite or other inert material and collected in a suitable container for proper handling and treatment.

Residues from spillage and empty containers must be dealt with in accordance with local regulations.

See product safety sheet for further information.

### Storage:

SEIRE WP150 can be stored for up to 12 months in its original unopened packaging. The product should be stored in a dry place between +5°C and +30°C. Keep away from frost, direct sunlight and sources of heat.

### Precautions:

Avoid contact with eyes and skin. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.

Safety goggles and gloves must be always worn when applying the product.

If applying indoors, ensure that the site is well ventilated. Upon curing, the product is physiologically and ecologically neutral.

See product safety data sheet for further information.

# SEIRE WP150

## Water-based aliphatic polyurethane coating for visitable and trafficable waterproofing

### Technical data

*(based on tests conducted in our laboratory according to current regulations)*

<b>Appearance:</b>	Viscous liquid. Coloured.
<b>Density:</b>	Approx. 1,25 kg/l
<b>Consumption:</b>	1.5-3.5 Kg/m <sup>2</sup> depending on the system
<b>Resistance to rain (20°C):</b>	Approx. 3 hours
<b>Touch dry (20°C):</b>	Approx. 5 hours
<b>Recoatable (20°C):</b>	Approx. 24 hours
<b>Full cure (20°C):</b>	Approx. 7 days
<b>Elongation at break:</b>	Approx. 200 %
<b>Tensile strength:</b>	Approx. 2 MPa
<b>Bending at -5°C:</b>	No cracks
<b>Service temperature:</b>	-20°C to +90°C
<b>Packaging:</b>	20 kg
<b>Storage:</b>	Approx. 12 months in a dry place and in original unopened packaging.

## ETAG 005

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**30483**  
**ETAG 005 Part 6**  
**SEIRE WP150**  
LARWK

<b>Useful life</b>	W3
<b>Climate zones, Type</b>	M and S
<b>Climate zones, Temperature</b>	TL3 and TH4
<b>Roof Slope</b>	S1-S4
<b>User load</b>	P3

*Seire takes responsibility for the quality of its products. The application recommendations given are based on tests and practical experience. We will not be held responsible for the product or its application in case of any dosage or application other than as described and recommended. For any questions about this product, please contact our Technical Department. This data sheet remains valid until a new edition is issued.*  
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