

Seire

SEIRE WP150

**Waterbased alyphatic polyurethane
waterproofing membrane for roofs and
decks**

One component

Solvent free, low VOC, not ADR

Easy application and repair

Accommodates any substrate geometry

Watertight

Water vapour breathable

Permanent elasticity

Weather and UV proof

For vertical and horizontal outdoor surfaces



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SEIRE WP150

Waterbased aliphatic polyurethane waterproofing membrane for roofs and decks

Product description:

One-component, coloured, waterbased 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. Available colours: White, grey and red. After curing, SEIRE WP150 is watertight, water vapour breathable and resistant to frost and weathering.

Applications:

Waterproofing of non trafficable roofs and decks in:

- New construction
 - 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:

Ensure substrate is hard, solid and free of dust and other loose particles such as paint, limescale, mortars, plasters, adhesive residues, etc., which may impair adhesion to the substrate. Concrete surfaces can be moist (max 6%) but not wet. Avoid puddles.

Remove all traces of varnish, waxes, fats, oils and similar contaminants prior to mechanical preparation. Mechanically treat any concrete surfaces which are contaminated, using sanding or diamond tools, and then vacuum.

Static joints and cracks <1mm can be filled with a putty made with the product and fine, clean sand. Wider joints and cracks to be filled with elastic mastic. Allow to dry before applying a top coat. Properly treat and seal all joints or gaps in the concrete substrate where differential movement is expected (for example expansion joints).

Priming:

Depending on substrate absorption, priming with a thin layer of SEIRE WP150 diluted with max 50% water is advised.

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

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

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

Recommendations:

SEIRE WP150 should be stirred before use.

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.

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

Do not cover the membrane.

Method of application:

Pour SEIRE WP150 directly on the cured primed substrate and spread using a brush or wool roller until the film has the desired thickness. It can also be applied by airless.

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

It is strongly advised to bridge singular points by embedding a geotextile mat into the first layer of SEIRE WP150.

This same treatment on the whole surface will help to ensure the coverage and to improve membrane's resistance to wear and tear.

Consumption:

2-3kg/m² in two or three layers

Tool cleaning:

SEIRE WP150 can be cleaned from tools and equipment with water immediately after use. If the product is allowed to harden, it will have to be removed mechanically or using organic solvents.

Residues/spillages:

Any spillage from any product 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 6 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:

Harmful if inhaled, swallowed and if comes into contact with eyes and skin. Safety goggles and gloves must be worn at all times when applying the product.

In case of contact with eyes, flush immediately with plenty of clean water and consult a doctor.

In case of contact with skin, wash with soap and water (do not use solvents).

In case of accidental ingestion seek immediate medical attention. Do not induce vomiting.

See product safety sheet for further information.

Technical data

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

Appearance:	Viscous liquid. Coloured.
Density:	Approx. 1,25 kg/l
Consumption:	2-3 Kg/m ² (min. 2 layers)
Touch dry (20°C):	Approx 5 hours
Recoatable (20°C):	Approx 24 hours
Full cure (20°C):	Approx 7 days
Elongation at break:	Approx 200 %
Tensile strength:	Approx 2 N/mm ²
Bending at -5°C:	No cracks
Resistance to rain (20°C):	Approx 7 hours
Packaging:	25 kg pails
Storage:	Approx. 6 months in a dry place and in original unopened packaging.

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.

Seire will not be held responsible for the content of technical data posted on websites other than the official Seire website (www.seire.net)

Edition: June 2018

