

# Weberdry ES 114

Heavy-duty, microfibre reinforced, elastomer membrane

**Weberdry ES 114** is a high performance, water-based, low VOC, non-toxic, microfibre-reinforced elastomer protective coating. It cures into a wear and UV resistant membrane.



## PRODUCT BENEFITS



**WATER  
BASED**



**MICROFIBRE  
REINFORCED**



**UV  
RESISTANT**

## USES

Weberdry ES 114 is for roofing, repair, and maintenance projects. It can be applied to almost all substrates if stable and cleaned. Weberdry ES is as a protective, waterproof, metal, or concrete deck or roof coating. It is a trafficable coating system for light to medium traffic.

## ADVANTAGES

- No bleeding and no staining of tiles
- Excellent durability and high UV resistance
- High early water resistance
- Tolerant to most light solvents and detergents

## TECHNICAL DATA & PHYSICAL PROPERTIES

<b>Colour</b>	Grey, White, Light Blue
<b>Composition</b>	Synthetic Rubber Elastomers
<b>Service Temperature</b>	5 °C to 80 °C
<b>Application Temperature</b>	5 °C to 35 °C, Clear weather
<b>Specific Gravity</b>	Approx. 1.3 kg/litre
<b>Percent Solids</b>	Approx. 65 %
<b>Touch Dry (mins)</b>	Approx. 30 – 40 mins
<b>Initial Hardness (Shore A)</b>	Approx. 70 (Preheat Ageing)
<b>(ASTM D2240: 95)</b>	
<b>Adhesion to Substrate</b>	> 1.0 N/mm <sup>2</sup>
<b>(ASTM D4541: 93 adapted)</b>	
<b>Tensile Strength</b>	2.30 MPa (Unreinforced)
<b>(ASTM D412: 92)</b>	1.90 Mpa (@ 100% elongation)
<b>Elongation at Break</b>	Approx. 105 – 120 %
<b>(ASTM D412: 92)</b>	
<b>Water Vapour Transmission</b>	~ 20 g/m <sup>2</sup> /24hrs
<b>(ASTM E96: 95)</b>	
<b>Chemical Resistance</b>	Resistant to light detergents, bleach
<b>Crack Bridging Ability</b>	Passed – 2 mm minimum
<b>(ASTM C836: 89 adapted)</b>	
<b>Accelerated Weathering</b>	Passed – No defects after 1000 hours exposure
<b>(ASTM G53: 93 – UVA340 mm)</b>	
<b>Curing Time (minimum)</b>	Approx. 8 hours subject to ambient conditions

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

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## PROCEDURE & APPLICATION



### Surface Preparation

All surfaces must be clean, sound, and free from any laitance, oil, grease, and any contaminants. Remove protrusions and flaking paint before application.



### Application

Prime substrate using Weberprim ES 121, a water-based primer for concrete surfaces is recommended. Apply one liberal coat of Weberprim ES 121 and allow it to dry completely.



Stir Weberdry ES 114 well before application. Weberdry ES 114 can be applied using a brush or roller or broom. Apply the first coat of Weberdry ES 114 and allow the coat to cure completely before applying the next coat. Apply the second coat, at an interval of approx. 3-6 hours between coats, depending on ambient temperature and moisture conditions. Apply the coats in the direction perpendicular to each other. Ensure that no air is trapped in the membrane during application.

A minimum of 2 coats of Weberdry ES 114 is required, but 3 coats is recommended to obtain the specified level of protection.



Protect the waterproofing membrane while setting from the rain. Air circulation is necessary for enclosed areas to ensure the setting of the membrane.

## CONSUMPTION

Approx. 65 - 100 m<sup>2</sup> per coat application for 20 kg pail. Actual consumption rate will depend on the porosity and profile of the substrate to be coated.

## CLEANING

All tools and equipment should be cleaned with water immediately after use. Remove cured material with a general-purpose solvent.

## STORAGE & PACKING

Weberdry ES 114 is available in 20 kg pails.  
Shelf life of 18 months if unopened and kept in dry and cool conditions.

## HEALTH & SAFETY

In case of contact with eyes, rinse immediately with plenty of water, and seek medical assistance. Please keep out of reach of children.

\*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Jun '23)

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