

# Weberdry ES 115

Water-based, modified-polyurethane, protective membrane

**Weberdry ES 115** is a high-build, modified water-based polyurethane coating with exterior performance capabilities. It is a durable, odourless, anti-carbonation, moisture and UV resistant coating.



EXCELLENT  
SGBP 4981



## PRODUCT BENEFITS



**WATER BASED  
POLYURETHANE**



**CORROSION  
RESISTANT**



**UV  
RESISTANT**

## USES

Weberdry ES 115 can be applied to any substrate that is stable and clean. It forms a corrosion-resistant coat for light to medium traffic. When used with fibreglass reinforcement, it is highly durable on exposed concrete and metal surfaces.

## ADVANTAGES

- UV resistant
- Trafficable - pedestrian to light vehicular

## TECHNICAL DATA & PHYSICAL PROPERTIES

<b>Colour</b>	Grey, white, light blue, sand, red, green
<b>Service Temperature</b>	5 °C to 80 °C
<b>Specific Gravity</b>	Approx. 1.3 kg/litre
<b>Percent Weight Solids</b> (ASTM D1644: 93 [Method A])	Approx. 65 %
<b>Tensile Strength</b> (ASTM D412: 98a)	> 2.5 N/mm <sup>2</sup> (Weberdry ES 115) > 16.5 N/mm <sup>2</sup> (Fibreglass Reinforced)
<b>Elongation at Break</b> (ASTM D412: 98a)	~ 280 %
<b>Flexibility</b> (ASTM D1737)	Passed - 180° bend, 3 mm mandrel
<b>Water Vapour Permeability</b> (ASTM E96: 95)	> 25 gm /m <sup>2</sup> /day
<b>Adhesion to Substrate</b> (ASTM D4541: 95)	~ 1.20 - 1.40 N/mm <sup>2</sup>
<b>Exposure to Fungi, Algae</b> (SS345: 1990 [App B])	Passed - Unaffected
<b>Crack Bridging Test</b> (ASTM C836: 95, sect 5.7)	Passed - Bridge > 2.0 mm @ 0.8 mm DFT
<b>Water Penetration Test (Positive)</b> (DIN 1048: 91, Part 5)	Passed - No Penetration, 2.0 m head, 12 hours
<b>Accelerated Weathering</b> (ASTM D822A)	Passed - No Defects
<b>Salt Spray Test</b> (ASTM B117)	No blistering or corrosion, 1500 hours

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## TECHNICAL DATA & PHYSICAL PROPERTIES

**Shore A Hardness** > 65 (2 coats Weberdry ES 115 with primer)  
(ASTM D2240: 2000)

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.

## 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

Apply Weberdry ES 115 with a brush, roller, or spray in several thin coats to the desired film thickness. The recommended Dry Film Thickness (DFT) ranges from 300 - 750 microns depending on the desired service and substrate type. For heavy-duty waterproofing applications, the recommended DFT is 0.75 - 1.00 mm.



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. 20 m<sup>2</sup> @ 1 mm DFT 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 115 is available in 20 kg pails.  
Shelf life of 18 months if unopened and kept in dry and cool conditions. Keep out of direct sunlight.

## 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 reserves the rights to amend the contents of the data sheet at its sole discretion. (Jul '25)

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