

Weberdry ES 118

Liquid applied, water-based, bituminous waterproofing



Weberdry ES 118 is a single component, water-based, elastomeric, bituminous waterproofing coating which cures to form a durable and flexible membrane.

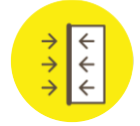
PRODUCT BENEFITS



**WATER
BASED**



ELASTOMERIC



**EXCELLENT
ADHESION**

USES

Weberdry ES 118 is for concealed surfaces such as roofs, retaining walls and basements, lift pits, wet areas, gutters, and concrete tanks (non-potable water). It can be used for exposed (followed by Weberdry ES 111) roofs and surfaces.

ADVANTAGES

- Flexible & seamless
- Resist high UV conditions
- Excellent bonding and adhesion strength

TECHNICAL DATA & PHYSICAL PROPERTIES

Colour	Brownish black
Total Solid Content	Minimum 65%
Water Penetration	0
Application Rate	0.60 – 0.80 kg/m ² per coat
Water Vapour Transmission	> 15gm/m ² day
Adhesion to Substrate	0.4 N/mm ²
Tensile Strength	Minimum 5.0 N/mm ² (with Weber Fibreglass Netting)
Elongation	~ 500 %
Crack Bridging	No cracks at 2mm
Shore A Hardness	56 (with Weber Fibreglass Netting)
Turpentine/Alkali Resistance	Good
Heat Resistance	No sagging, blistering, or slipping
Water Resistance	No dispersion, blistering, or re-emulsification
Fire Resistance	No combustion or rundown, coating charred in place
UV Exposure 1000 hours	No change in colour, cracking, chalking, blistering, or peeling, decay and delamination

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.

CONSUMPTION

Approx. 360 – 400 m² per coat application for 180 kg. Minimum 1.0 mm DFT @ 2 coats.

CLEANING

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

SAINT-GOBAIN (SINGAPORE) PTE LTD

2 Venture Drive, #13-18,
Vision Exchange, Singapore 608526

 (65) 63308288  (65) 63308289

 eis.info@saint-gobain.com  www.sg.weber

SAINT-GOBAIN WEBER (M) SDN BHD

No 29 & 31, Jalan TIAJ 2/1, Taman Industri Alam Jaya,
42300 Bandar Puncak Alam, Selangor D E, Malaysia

 (603) 60389498/97/89  (603) 6038 9507

 info.webermalaysia@saint-gobain.com  www.mys.weber

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 the prepared surface using Weberprim ES 124, bituminous primer. More than one layer is necessary if the substrate is aged or very porous.



Stir well before application. Weberdry ES 118 can be applied by brush or roller in multiple coats to the desired thickness. Do not dilute. Apply the first coat of Weberdry ES 118 and let it dry for 2-6 hours. After the first coat is dry, apply the second coat immediately and ensure Weber Fibreglass Netting is fully immersed with Weberdry ES 118. Exert some force on Weber Fibreglass Netting during the application of subsequent coats. A minimum of 3 coats of Weberdry ES 118 is necessary for horizontal surfaces. Leave it to dry.



Weberdry ES 118 is cured naturally by air curing. Water leakage test may commence after 24 hours from the application of the final coat of Weberdry ES 118.

For UV exposed systems, apply Weberdry ES 111 after the final coat of Weberdry ES 118 has cured. Allow Weberdry ES 111 to dry for 24 hours and protect from rain.

For concealed systems, Weber Fibreglass Netting is optional, and a minimum of 2 coats of Weberdry ES 118 is required. After the final coat of Weberdry ES 118 has dried, the following can be applied:

- Screeding: Minimum 50mm thick. Where necessary, apply a diluted Weberdry ES 118 and broadcast sand before screeding
- Drainage: Create a slope to drain at a minimum of 10mm/running metre
- Architectural designs
- Backfilling

STORAGE & PACKING

Weberdry ES 118 is available in 180 kg drums.

Shelf life of 12 months if unopened, and kept in dry and cool conditions. Keep out of direct sunlight.

HEALTH & SAFETY

Recommend to wear NIOSH approved or equivalent particulate face mask. Material may irritate eyes and skin. In case of contact with eyes, rinse immediately with plenty of water, and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water. 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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