

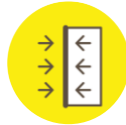
Weberdry ES 111

Elastomeric, UV resistant, exposed membrane system

Weberdry ES 111 is a water-based, flexible and exposed waterproofing coating. Upon curing, the membrane is seamless, anti-carbonation, UV-resistant, and bonds strongly to the substrate.



PRODUCT BENEFITS



EXCELLENT ADHESION



ANTI CARBONATION



UV RESISTANT

USES

Weberdry ES 111 is used for metal or concrete roofs and decks, sports surfaces, or a trafficable coating (light to medium). It is suitable for the repair and renovation of damaged metal roofs and decks. With a fibreglass reinforcement, it forms a durable system for exposed surfaces.

ADVANTAGES

- Elastomeric, flexible, and seamless
- Water based, non-toxic
- UV resistant and anti-carbonation
- Trafficable - Human, light to medium vehicular

TECHNICAL DATA & PHYSICAL PROPERTIES

Colour

Grey, White, Red, Green, Light Blue, others

Service Temperature

-20°C to 70°C

Specific Gravity

Approx. 1.3 kg/litre

Resistance to Water Penetration

0

(DIN 1048 Pt 5: 1991)

Adhesion to Substrate

≥ 0.2 N/mm²

(ASTM D4541: 2002)

Tensile Strength

Before ageing		≥ 1.2 N/mm ²
After ageing at 50°C, 14 days		≥ 1.0 N/mm ² and -ve change ≤20%. No limit for positive change.
After immersion for 72 hours at room temp.	0.5% NaOCl	
	1.25% NH4OH	
	3.7% HCl	

(ASTM D412-16: 2021)

Elongation at Break

Before ageing		≥ 150 %
After ageing at 50°C, 14 days		≥ 120% and -ve change ≤20%. No limit for positive change.
After immersion for 72 hours at room temp.	0.5% NaOCl	
	1.25% NH4OH	
	3.7% HCl	

(ASTM D412-16: 2021)

Crack Bridging

No crack at 2 mm width
No cracks occurred after 10 cycles at 1 mm

(ASTM C836/C836M-18: 2022)

SAINT-GOBAIN (SINGAPORE) PTE LTD

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

(65) 63308288 (65) 63308289

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

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

TECHNICAL DATA & PHYSICAL PROPERTIES

Hardness (Shore A) (ASTM D2240-15: 2021)	≥ 30
Set to Touch (ASTM D1640/D1640M-14[2018])	Within 60 mins

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 one liberal coat of Weberprim ES 121, a water-based primer for concrete roofs or Weberprim ES 122, an anti corrosion primer for metal roofs. Allow primer to dry completely.



Stir Weberdry ES 111 well before application. It can be applied using a brush, roller or spray. Apply the first coat and allow it to cure completely. When incorporating Weber Fiberglass Netting, unroll it onto the wet Weberdry ES 111 and firmly press it in place. Apply the second coat, at an interval of approx. 4-8 hours between coats. Apply the first coat in one direction and the second coat in a perpendicular direction to the first coat. Ensure that no air is trapped in the membrane during application.



Protect the waterproofing membrane from the rain while setting. Air circulation is necessary for enclosed areas to ensure setting of the membrane. Water leakage test may commence after 18 hours from the application of the final coat of Weberdry ES 111 from which would have dried after curing in ambient conditions.

CONSUMPTION

Approx. 18 - 20 m² for 2 coats application for 20 kg pail @ 0.8 mm DFT (Dry Film Thickness). Recommended final DFT: 0.60 - 1.0 mm. For flat roofs, minimum DFT of 0.8 mm.

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 111 is available in 20 kg pails.
Shelf life of 12 months if unopened and kept in dry conditions and at temperatures of 10°C to 38°C. Keep out of sunlight.

Weberdry ES 111

Elastomeric, UV resistant, exposed membrane system

STANDARD COLOURS



For special colours, please contact our Sales Team. Slight colour variation may exist between chart and actual product.

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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