

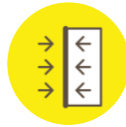
Weberdry ES 111 Clear

UV resistant, exposed membrane system

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



PRODUCT BENEFITS



EXCELLENT ADHESION



WATER BASED



UV RESISTANT

USES

Weberdry ES 111 Clear is a durable, protective coating system, which can be applied over almost any competent, stable, and properly cleaned substrate or surface. Weberdry ES 111 Clear is versatile, serving as a protective, waterproof coating for metal or concrete deck roofs, exposed surfaces, and gable end walls.

ADVANTAGES

- Eco friendly, non toxic
- Flexible
- Seamless
- Non staining
- UV resistant, low odour
- Trafficable - Human, light to medium vehicular

TECHNICAL DATA & PHYSICAL PROPERTIES

Colour	Clear/Transparent
Appearance	Milky, high viscosity liquid coating
Touch Dry Time	Approx. 120 mins
Application Temperature	+10 - 35°C, Clear weather
Service Temperature	0°C to 50°C
Specific Gravity	Approx. 1.0
Viscosity	30000-40000 cps @ 25°C
(Brookfield RVT)	
Adhesion to Substrate	~1.2 ~ 1.4 N/mm ²
(ASTM D4541: 95)	
Tensile Strength	~1.3 ~ 1.7 N/mm ²
(ASTM D412-16: 2021)	
Elongation at Break	300% (not aged), 250% (aged 14 days, 50°C)
(ASTM D412: 98a)	
Wet Scrub Resistance	> 15,000 cycles
(ASTM D2486)	
Accelerated Weathering	Passed
(ASTM D822A)	
Exposure to Fungi, Algae	Passed
(SS345 : 1990)	
Crack Bridging	Passed @ 2mm (No cracks)
(ASTM C836:95, sect 5.7)	
Water Penetration Test	No penetration, (0.2 kgf/cm ² @ 12 hrs)
(DIN 1048:91, Part 5)	

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TECHNICAL DATA & PHYSICAL PROPERTIES

Hardness (Shore A) 40-45
(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.

PRECAUTION

Weberdry ES 111 Clear may exhibit a white (blushing) effect after prolonged exposure to ponded water. The transparent appearance will be restored once the film is dry.

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.



Primer

For concrete substrates,

- Primer coat: Dilute Weberdry ES 111 Clear with clean water @ ~0.10 – 0.15 kg/m².
- Top Coat: Apply a minimum of 2 coats of undiluted Weberdry ES 111 Clear



Application

Weberdry ES 111 Clear can be applied by brush, roller or spray in multiple coats to the recommended thickness of 0.40-0.60mm DFT and should not fall below the minimum thickness of 0.4mm DFT for flat-roof waterproofing applications. Avoid using excessive pressure when applying with the roller. Allow each coat of Weberdry ES 111 Clear to dry completely (approx. 4-6 hours) before applying the second or third layer.

CONSUMPTION

Approx. 3 – 4m² per kg per coat.

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 Clear is available in 18 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.

*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. (Dec '23)

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