

Weberdry ES 110

Single component, liquid applied waterproofing membrane

Weberdry ES 110 is a ready-to-use, high-performance, liquid-applied waterproofing membrane. It forms a seamless, durable, and elastomeric membrane, preventing ingress of water and moisture.



EXCELLENT
SGBP 3125



PRODUCT BENEFITS



ECO FRIENDLY



SEAMLESS



ELASTOMERIC & FLEXIBLE

USES

Weberdry ES 110 is for residential, commercial, and industrial areas. It is for kitchens, toilets, balconies, lift pits, internal wet areas, podium decks, walkways, terraces, and planter boxes.

ADVANTAGES

- Elastomeric and durable
- Water-based

TECHNICAL DATA & PHYSICAL PROPERTIES

Colour	Black
Specific Gravity	Approx. 1.15 kg/litre
Resistance to Water Penetration (DIN 1048 Pt 5: 1991)	0
Adhesion to Substrate (ASTM D4541: 2002)	$\geq 0.2 \text{ N/mm}^2$
Tensile Strength (ASTM D412-16: 2021)	

Before ageing	$\geq 1.2 \text{ N/mm}^2$
After ageing at 50°C, 14 days	
After immersion for 72 hours at room temp.	0.5% NaOCl
	1.25% NH ₄ OH
	3.7% HCl
	$\geq 1.0 \text{ N/mm}^2$ and -ve change $\leq 20\%$. No limit for positive change.

Elongation at Break (ASTM D412-16: 2021)	Before ageing	$\geq 150 \%$
	After ageing at 50°C, 14 days	
	After immersion for 72 hours at room temp.	0.5% NaOCl
		1.25% NH ₄ OH
		3.7% HCl
	$\geq 120\%$ and -ve change $\leq 20\%$. No limit for positive change.	

Crack Bridging (ASTM C836/C836M-18: 2022)	No cracking at 2mm width
Hardness (Shore A) (ASTM D2240-15: 2021)	No cracks occurred after 10 cycles at 1mm
Set To Touch (ASTM D1640/D1640M-14: 2018)	≥ 30
	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.

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PROCEDURE & APPLICATION



Surface Preparation

All surfaces must be dry, clean, sound, and free from any laitance, oil, grease, and any contaminants. Check and remove all protrusions from the surface. Remove flaking paint before applying a new coat. Small hairline cracks ≤ 2.0 mm can be bridged by Weberdry ES 110. Brush Weberdry ES 110 into the cracks and allow it to dry.



Application

Stir Weberdry ES 110 well before application and do not dilute. Weberdry ES 110 can be applied using a brush or roller. Ensure that no air is trapped in the membrane during application. Allow the first coat to cure for at least 1 hour before applying the second coat. Weberdry ES 110 may be protected by laying a screeding material after the second coat has dried to prevent damage to the waterproof membrane. Tiles and other surface toppings can be applied after Weberdry ES 110 is completely cured.



Water leakage test may commence after 24 hours from the application of the final coat of Weberdry ES 110 from which would have dried after curing in ambient conditions.

PRECAUTION

Do not use in areas subjected to rising dampness, negative hydrostatic pressure or when inclement weather is imminent. Weberdry ES 110 is not recommended to be left exposed and is not suitable for regular foot traffic. Do not apply solvent over Weberdry ES 110 or when the substrate temperature is $< 10^{\circ}\text{C}$ or $> 38^{\circ}\text{C}$.

CONSUMPTION

Approx. 20m² for 2 coats application for 20 kg pail. Recommended final WFT (Wet Film Thickness): Approx. 1.2 mm; Recommended final DFT (Dry Film Thickness): Approx. 0.8 mm.

STORAGE & PACKING

Weberdry ES 110 is available in 20 kg pails.
Shelf life of 12 months if unopened and kept in sheltered and dry conditions.

CLEANING

All tools and equipment should be cleaned with water immediately after use.

HEALTH & SAFETY

Weberdry ES 110 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 reserves the rights to amend the contents of the data sheet at its sole discretion. (Feb'24)

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