



2-component flexible waterproofing product



weberdry 2K flex



To waterproof before tiling in wet areas in buildings and in swimming pools



2 parts – cement and liquid polymer - and flexible



Cover non-dilated small cracks and pores in substrates



Non-toxic, can be used with potable water and in water tanks

weberdry 2K flex is a 2-component flexible waterproofing product, the mixing ratio can be adjusted to suit the application of both render and brush/roller on cement base substrate. It is used to waterproof wet areas in the building, swimming pools, water tanks and, sewage or septic tank**

- **PACKAGING :** 25 kg set
Part A: white liquid 5 kg/gallon
Part B: cement powder 20 kg/bag
- **COLOR :** Milky white liquid and grey cement powder
- **CONSUMPTION :** 2 – 4 kg/sq.m
- **APPLICATION**

Surface preparation

1. Substrate must be strong, level, with good adhesion. Make good any unsound areas by using **weberep repair mortar GP**.
2. Clean the substrate by suitable cleaning method such as high pressure water, blast cleaning, until free from dirt, oil, grease, and any other contaminations.
3. Pre-wet the surface with clean water to its saturated point.

Mixing

1. Shake the liquid gallon (Part A) before using. Pour the polymer liquid in clean mixing bucket and gradually add cement powder (Part B).
2. Mix by low-speed electric mixer (max. 500 rpm) until having homogeneous lump-free paste with the mixing ratio:
 - a. For render application
Part A : Part B = 18% : 82% or 1 : 3.25 by volume
 - b. For brush or roller application
Part A : Part B = 22% : 78% or 2 : 5.5 by volume
3. Stand the mixture for 3 minutes for chemical curing.
4. Use the mixture within 30 minutes after mixing.

Waterproofing

For brush or roller application: use short-hair brush or roller

For render application: use appropriate rendering trowel

1. Apply the first layer of **weberdry 2K flex** thoroughly on the substrate in one direction.
2. Leave to dry for 2 – 4 hours, and then apply 2nd layer in vertical direction.
3. Total thickness must be at least 2 mm.

Recommendations

- Always apply 2 layers of **weberdry 2K flex**.
- Avoid direct sunlight after **weberdry 2K flex** sets, when not tiling on waterproofing layer.
- **weberdry 2K flex** can cover small cracks and pores in the substrate when the cracks and pores are not dilated.
- Do not add water in the product mixture.
- Total thickness should be 2 – 3 mm.

● SHELF LIFE AND STORAGE

Store in shade, dry conditions with the temperature between 5 – 35°C in closed package provides 1 year shelf life.

TECHNICAL DATA

weberdry 2K flex	Standard	Requirement	Test Result	
			Render application	Brush/roller application
Waterproof: 1.5 bars water pressure for 7 days	EN 14891-A7:2014	Pass the requirement	PASS	PASS
Water absorption by Karsten Pipe @7 days	In-house	< 0.5 ml	0.3	0.3
Water absorption by Karsten Pipe @28 days	In-house	< 0.3 ml	0.3	0.3
Water uptake after 24 hours	In-house	< 1.0 mm	0.00	0.80
Crack bridging @28 days	EN 14891-A8.1:2014	> 0.3 mm	0.47	0.35
Bond to concrete @28 days	ASTM D4541-09	> 1.0 MPa	1.59	1.61
Initial adhesion strength @28 days	EN 14891-A6.2:2014	> 0.5 N/mm ²	1.01	0.94
Adhesion strength after water immersion	EN 14891 -A6.2:2014	> 0.5 N/mm ²	0.79	0.77
Compatible with potable water	Provincial Waterworks Authority	Pass the requirement	PASS	PASS
Elongation at break	ASTM D412	>1%	5.66% *	
Tensile strength	ASTM D412	> 0.3 MPa	1.9 MPa **	

*+ 0.56%

** + 0.07 MPa