



# WD Aquatect

## Surface Damp Proof Membrane

### DESCRIPTION

WD Aquatect is a two component, solvent free, epoxy resin system formulated from carefully selected resins. It is supplied in pre-weighed units of the correct proportions and is ready to mix and use on site.

### USES

WD Aquatect is designed to function as a residual moisture suppressant on cementitious surfaces. WD Aquatect can also be used to produce a surface damp proof membrane to allow early installation of floor coverings and can be applied to substrates recording up to 97% RH (Relative Humidity). WD Aquatect is ideal for use in extensions and repairs to existing structures and in new construction projects.

### ADVANTAGES

- **Impervious** provides an excellent moisture barrier to rising damp
- **Moisture tolerant** can be applied to substrates with high levels of humidity present
- **High bond strength** excellent surface adhesion properties
- **Ease of application** can be applied by brush or roller
- **Cost effective** avoids costly programme delays

### PHYSICAL PROPERTIES

- |                               |             |   |
|-------------------------------|-------------|---|
| • <b>Viscosity @ 25°C</b>     | 15.72 Poise | (Below 20°C these times will be increased)        |
| • <b>Drying time</b>          | 12-15 hours |   |
| • <b>Pot life</b>             | 60 mins     | Tested by B.R.E. to prEN1504 Part 2 1998 - PASSED |
| • <b>Initial hardness</b>     | 24 hours    |   |
| • <b>Full cure</b>            | 7 days      |   |
| • <b>Maximum overlay time</b> | 48 hours    |   |

### CHEMICAL RESISTANCE

Not applicable.

### COLOURS

WD Aquatect is available in Light Stone, Tile Red and Light Grey.

### TEMPERATURE

WD Aquatect should not be applied at temperatures below 10°C and above 40°C

### INSTRUCTIONS FOR USE

#### **SURFACE PREPARATION - CONCRETE**

It is essential that the substrate surfaces are correctly prepared prior to application. All substrates should be sound and free from contamination with oil, grease and other matter, which may prevent penetration into the substrate surface. Any oil or grease contamination must be removed completely by grinding, scabbling or shotblasting the contaminated areas to provide a clean substrate.

It may be possible to prepare lightly contaminated areas by treatment with a degreaser (please refer to Technical Services Department). Any curing agents applied to the substrate surface should be removed together with excessive laitance by vacuum blasting, grinding or light scabbling. All surface dust or loose friable material should be removed by brushing and industrial vacuuming. Structural joints should be maintained through the WD Aquatect and should be sealed after application with an appropriate flexible, impervious jointing compound. The substrate should be tested for moisture content using a hygrometer and having established the moisture content the appropriate WD Aquatect system should be applied.

%RH	Primer	Undercoat
75-80	WD Aquatect	
80-90	WD Aquatect	WD Aquatect
90-95	WD Aquatect	WD Aquatect

Substrates which are known to have no existing damp proof membrane should be treated as having a RH value of above 75%.

**MIXING AND APPLICATION**

WD Aquatect is a two-pack system and it is very important to thoroughly mix the hardener and the base components. Add the entire contents of the hardener container to the base container, stir thoroughly for 2 – 3 minutes and commence application within 5 minutes. Do not split the units unless accurate measuring facilities are available. WD Aquatect units are supplied with full instructions for use. Once mixed, WD Aquatect should be applied immediately and application should be completed with 45 minutes. If the application is likely to be slow, use a smaller unit size. The working life of WD Aquatect can be extended by pouring the mixed material into a tray. Application is by paintbrush, roller or spray. WD Aquatect should be applied as an even continuous coat and care should be taken to work the product into the surface irregularities to ensure a continuous resin film. When applying more than one coat, subsequent coats should not be applied until the first coat has been allowed to cure for 12 hours. The second coat should be applied at right angles to the first coat. If an underlayment is required a scatter of 30’s grade dried quartz should be applied to the top of the final coat to aid adhesion of the underlayment.

<b>COVERAGE &amp; PACKSIZES</b>		
<u>Pack size - kg</u>	<u>Pack Size - ltr</u>	<u>Approx. Coverage per Coat</u>
2kg	2ltr	8 - 10 m <sup>2</sup>
4kg	4ltr	16 - 20 m <sup>2</sup>

N.B. Coverage is dependant on surface texture and porosity

**DISPOSAL**

All tools and equipment should be cleaned using Conren Solvent Cleaner immediately after use. Spillage should be absorbed with sand or sawdust and disposed of in accordance with statutory regulations.

**STORAGE**

Shelf life at least 12 months if stored in original containers between 10° C and 25° C.

**PRECAUTIONS**

For further information on our precautions please see the MSDS.

**Technical Service and Quality Assurance**

All information provided in this leaflet is based on results obtained from our own experience and testing which is given in good faith. The information is provided without guarantee as the user will be deemed to have satisfied themselves independently of the suitability of Conren’s product for their own particular purpose. Conren Limited cannot be held responsible for any errors as a result of any incorrect information being provided.



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