



WD Aquatect

Surface Damp Proof Membrane

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.

WD Aquatect has been independently tested by the Building Research Establishment (B.R.E)

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.

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

Viscosity @ 25°C	15.72 Poise
Drying time	12-15 hours
Pot life	60 mins
Initial hardness	24 hours
Full cure	7 days
Maximum overlay time	48 hours
(Below 20°C these times will be increased)	

*Tested by B.R.E. to prEN1504 Part 2 1998 – passed all criteria

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 XD80 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%.

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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.

COVERAGE & PACK SIZES

<u>Pack size - kg</u>	<u>Pack Size - ltr</u>	<u>Approx. Coverage per Coat</u>
2kg	2ltr	8 - 10 m ²
4kg	4ltr	16 - 20 m ²

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

PRECAUTIONS

WD Aquatect is a non-flammable product. WD Aquatect hardener contains amines and is corrosive and should not be allowed to come into contact with skin and eyes or be swallowed. Avoid prolonged inhalation of solvent vapours. Epoxy resins and hardeners may act as skin sensitizers to some people. Gloves, goggles and barrier creams such as Kerodex antisolvent or Rozalex antipaint should therefore be used. Ensure adequate ventilation in the workplace. Skin contamination with any of the products should be removed immediately with soap and water. In the event that mixed resin comes into contact with the skin, it must be removed before it hardens with a good quality resin removing cream, followed by washing with soap and water. Do not use solvent. If accidental eye contamination occurs irrigate with copious quantities of clean water and seek medical advice. If ingestion of any of the materials takes place, seek medical attention immediately. Do not induce vomiting.

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.

CONTRACTING SERVICE

Conren Limited offers a contracting service for the application of all Conren products. This facility is back by a comprehensive technical and after sales service. We are able to contend with most problems in the field.

TECHNICAL SERVICE & QUALITY ASSURANCE

All information provided in this leaflet is based on results obtained from our own experience and test and is given in good faith. The user will be deemed to have satisfied himself independently of the suitability of Conren's products for his own particular purpose. We guarantee to replace, free of charge, any goods supplied by us which are proved to our satisfaction defective, but, as the application of these materials is necessarily beyond our control, we will not accept responsibility for any damage or loss arising wholly or in part from these materials. Except as herein provided, any express or implied condition, warranty, statement or representation, statutory or otherwise as to the quality of the goods is expressly excluded.

SPECIFICATION

Moisture suppressant coating shall be Conren WD Aquatect solvent free epoxy resin system.

All products to be applied in accordance with Conren's written instructions.

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