



WD Bonder

Bonding Membrane

USES

WD Bonder is used for bonding new cementitious materials to existing concrete bases and for providing a waterproof membrane beneath cementitious floor screeds. **WD Bonder** is ideal for use in extensions and repairs to existing structures and in new construction projects. Areas of use include industrial floor surfaces, loading bays, bridges, roads and office buildings.

DESCRIPTION

WD Bonder 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

- High bond strength** allows application of a cementitious floor topping of reduced thickness
- Impervious** provides an excellent moisture barrier to rising damp
- Moisture tolerant** can be applied to surfaces with low levels of moisture present

PHYSICAL PROPERTIES

Compressive Strength	50 N/mm ²
Textile Strength	15 N/mm ²
Flexural Strength	60 N/mm ²
Specific Gravity	1.09
Viscosity @ 20°C	35 Poise
Pot life	35 – 45 mins
Drying time	12 – 15 hours
Initial hardness	24 hours
Full cure	7 days
Maximum overlay time	90 minutes

(Below 20°C these times will be increased)

CHEMICAL RESISTANCE

Not applicable.

COLOURS

Not applicable

TEMPERATURE

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



INSTRUCTIONS FOR USE

SURFACE PREPARATION

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). Excessive laitance should be removed by vacuum blasting, grinding or light scabbling. Old concrete floors should be prepared by one of the mechanical methods mentioned above. Ensure that all concrete substrates are free from rising damp. Very porous or soft concrete surfaces should be sealed with Conren Dustguard before applying **WD Bonder**.

MIXING AND APPLICATION

WD Bonder 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 tin to the base tin stir thoroughly and commence application within 5 minutes. Do not split the units unless accurate measuring facilities are available. **WD Bonder** is supplied in pre-weighed units of the correct proportions which must be used for best results. **WD Bonder** units are supplied with full instructions for use. Once mixed, **WD Bonder** 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 Bonder** can be extended by pouring the mixed material into a tray. Application is by paintbrush, roller or spray. When applying more than one coat, subsequent coats should not be applied until the first coat has become dry to touch.

THINNING – WD BONDER may be thinned with Conren Solvent Cleaner to improve application on rough surfaces or during cold weather. Do not use more than 5% solvent by weight.

COVERAGE & PACKSIZES

<u>Pack size - kg</u>	<u>Pack Size - ltr</u>	<u>Approx. Coverage per Coat</u>
1kg	1ltr	3 - 4 m ²
2kg	2ltr	6 - 8 m ²
4kg	4ltr	12 - 16 m ²

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

PRECAUTIONS

WD Bonder is a non-flammable product. WD Bonder is alkaline and should not be allowed to come into contact with skin and eyes or be swallowed. 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 and if working in enclosed areas, suitable breathing apparatus must be used. 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

Bonding Membrane shall be Conren WD Bonder
All products to be applied in accordance with Conren's written instructions.

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