



WD Bonder

Bonding Membrane

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.

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.

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/mm²
- **Tensile Strength** 15 N/mm²
- **Flexural Strength** 60 N/mm²
- **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. 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 & PACK SIZES

<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

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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