

Equus WB²

Colourless, impregnating water repellent for vertical mineral surfaces

Purpose & Areas of Use:

A deep penetrating water repellent for use on many absorbent and highly alkaline substrates such as natural sandstone, bricks, lime sandstone, concrete and mineral plasters.

Equus WB² reduces the capillary absorption of the penetrated substrate without clogging the capillaries, thus maintaining the substrates ability to "breathe".

Product:

Equus WB² is a water-based and environmentally compatible mixture of silicone based chemicals, which are susceptible to hydrolysis. This only occurs after application to the substrate and the breaking of the emulsion, at which stage it converts to a very effective silicone resin water repellent.

Colour:

Opaque white emulsion drying clear.

Standard Pack:

20 litre Jerricans.

Physical Properties:

Appearance:	Milk white liquid
Specific Gravity:	Approximately 1.0
Flash Point:	None - water-based
pH:	7-8

Surface Preparation:

Ensure that the surface to be treated is "wind dry" and free from dirt, grit, dust, grease etc. Paints, form release agents, curing compounds, moss, lantence, algae etc must be removed.

Application Method:

Apply undiluted, direct from the container.

Apply by brush or low pressure, non-atomising spray equipment (approx 40-70 kpa)

Flood the surface. If using a brush do not brush out like paint. Apply evenly with steady strokes over the entire surface to completely wet/flood the surface.

Similarly with low pressure spraying, let the liquid flow down and evenly wet/flood the surface.

To ensure complete coverage, two coats are required, applied wet on wet, approximately 10 minutes apart, depending upon prevailing conditions.

Spreading Rate:

Spreading rate will depend on absorbency and porosity of the substrate.

On brickwork coverage is approximately 4m² per litre with consumption up to 2m² per litre on more porous surfaces.

The quantity of material required for the second coat will be approximately half of that required for the first coat.

The exact consumption rates may only be determined by application of an on-site test area.

Dry Time/Repellency Development:

It will take **Equus WB²** from a few days to some weeks to reach full efficiency. This will depend upon the alkalinity of the substrate.

However, repellency begins building as soon as the water evaporates and the emulsion breaks. At 20°C and 60% relative humidity this will happen within two hours after which the substrate is protected from rain allowing time for full water repellency to develop.

Clean Up:

Water

Health & Safety:

Equus WB² is a non-flammable emulsion and is non-toxic and safe to handle.

It is recommended however that suitable protective clothing be worn as well as eye protection and a quality barrier cream or gloves used on the hands.

Do not eat, drink or smoke while working with this product.

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