

EQUUS WB²

Colourless, impregnating water repellent for vertical mineral surfaces

April 2024

PURPOSE AND 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.

COLOURS:

Opaque white emulsion drying clear.

STANDARD PACKS:

4 litre pail, 20 litre flagon.

PHYSICAL PROPERTIES:

Property	Value
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, laitance, 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 4 m² per litre with consumption up to 2 m² 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.

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CLEAN UP:

Water.

HEALTH AND 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.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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MANUFACTURERS CONTACT DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Equus Industries Ltd.
Manufacturer address for service	4 Sheffield Street, Blenheim 7274
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