

# EQUUS WBSB

Colourless, impregnating soluble salt suppressant for mineral surfaces

March 2024

## PURPOSE AND AREAS OF USE:

A penetrating, soluble salt suppressant for use on porous, even highly alkaline mineral substrates.

Equus WBSB restricts the capillary movement of salt impregnated moisture through the mineral substance.

## PRODUCT:

Equus WBSB 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, 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 impregnation, three coats are required, applied wet on wet, approximately 10 minutes apart, depending upon prevailing conditions.

## SPREADING RATE:

- Spreading rate will depend upon the porosity and subsequent absorbency of the substrate.
- On aged porous brickwork, the consumption may be up to 2 m<sup>2</sup>/litre initially.
- The quantity of material required for the subsequent two coats may significantly reduce as each is applied.
- The exact consumption rate can only be determined by application of an on-site test area.

## DRY TIME/SALT SUPPRESSING DEVELOPMENT:

It will take Equus WBSB from a few days to some weeks to achieve full efficacy.

Water repellency on the surface begins building is soon as the water in the product evaporates and the emulsion breaks.

At 20°C and 60% relative humidity this will occur within 2 hours, protecting the substrate from water ingress through light rain; allowing the full salt suppressing nature of this product to build within the substrate.

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**CLEAN UP:**

Water.

**HEALTH AND SAFETY:**

- Equus WBSB 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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