

# Defender SV

**Solvent based, penetrating water repellent**

Defender SV is formulated to provide premium protection to sandstone, construction materials, engineered concrete, masonry surfaces, and cement & clay products. It employs high performance impregnators to create a powerfully repellent substrate, locking out water and water-borne contaminants.

## **Certification:**

Test Report: Resistance to salt attack AS/NZS 4456.10-2003 Method A

Test Report: Water absorption SI – report APA 0813-1

## **BENEFITS**

- Premium Protection – Defender SV provides unparalleled protection against water borne contaminants, chloride ions, efflorescence and biological growth.
- Long Term Benefits - Defender SV's long lasting repellency, protects engineered concrete and porous construction materials from efflorescence, spalling (freeze-thaw damage), corrosion of reinforcing bar, salt ion ingress, weathering, mould and staining.
- Retains Newness – the high performance protection and long life span offered by Defender SV is ideal for the preservation and preventative maintenance of: Construction concrete such as bridges, marine and port structures, concrete and paved walkways, parking areas, concrete and stone building facades, stone walls and monuments, pool surrounds and patios.
- Natural Look – will not discolour or alter the natural look of recommended substrates.
- UV Stable – Ideally suited for both indoor and outdoor use.
- Vapour permeable – won't trap moisture.

## **Recommended applications:**

Formulated to provide premium protection to porous construction materials and is ideally suited to the protection of landscape stone. For applications such as landscape stone, pool surrounds, sandstone and block walls, building facades, heritage stone, council footpaths and concrete structures.

## **Expected Wear:**

Defender SV will provide premium protection for up to 10 years and in many applications, several years longer. However application methods, weather conditions, traffic, harsh cleaning methods and substrate type will affect wear. Avoid use of solvents, strong acids and strong alkalis for extended sealer life.

It is recommended that the sealer be re-applied every 6 - 8 years where harsh conditions exist

## **PRODUCT SPECIFICATIONS**

**Product code:** AP672

**Safety:** Flammable

**Packaging:** 5Lt, 15Lt, 200Lt & 1000Lt



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## HOW TO USE

Read and understand the MSDS before use

Always pre-test in an inconspicuous location for sensitivity to chemicals.

### Preparation:

- New installations must be fully cured before application of Defender SV (Min 48 hours, however some concrete installations may take up to 7 days to cure. Confirm with the structural engineer).
- Existing stone and grout must be totally clean, dry and chemical free.
- Do not apply in direct sunlight. Temperature must be between 10°C and 28°C.
- Highly absorbent surfaces may require two coats.

### Application:

1. Apply 1 to 2 coats of Defender SV by generously saturating the surface using a polish applicator, roller or sprayer to an area which can be easily reached. (Approximately 15m<sup>2</sup>). Ensure even coverage. When treating vertical surfaces, start application from the bottom, moving upwards to avoid uneven coverage.
2. The surface must be shiny wet with a liquid film for at least 30 seconds. For very porous substrates more sealer may need to be applied.
3. Allow 5 - 10 minutes for the sealer to absorb into the surface. On horizontal surfaces move the excess product with a squeegee to a new section.
4. If a second coat is to be applied, wait 20 to 30 minutes and repeat the process.
5. Using absorbent towelling or applicator, wipe off any sealer remaining on the surface after 10 minutes of the last application. Moisten the towel with Methylated Spirits to remove residues which have dried on the surface.
6. Allow 12 hours before returning area to traffic. Keep dry for 24 hours. Achieves a full cure in 24-48 hours.

Coverage can vary dramatically depending on the degree of porosity, but is normally 5 to 10 m<sup>2</sup> / Lt per coat for open structure, highly porous substrates and 10 to 20 m<sup>2</sup> / Lt per coat for dense, less porous substrates Note:

Application on large concrete areas should be based on a preset coverage rate using a dedicated sprayer or painting equipment. No subsequent removal of excess product is required.

