

SiOO:X Wood & Surface Protection

Technical Data

Description SiOO:X is a two part wood protection system inspired by how nature protects itself using its own natural technology. This is based on how trees and plants absorb silica from the soil, transport it out with water, where it precipitates and strengthens the organisms. Tiny silicon molecules rapidly penetrate into the wood fibres, combine with the organism's and swell to form a strong protective layer. Creating a surface that becomes more attractive with the passing of time whilst also resisting wear, wind and weather in even the most demanding conditions.

Uses Exterior timber cladding and screening, where a more uniform weathered appearance is desired. Particularly useful where a buildings eaves would result in inconsistent colouration due to varying levels of uv exposure. Performs best on timber in vertical type applications. With SiOO:X all timber boards will turn much the same tone over time resulting in a desirable, consistently weathered look.

Sizes 1 litre, 5 litre

Colour SiOO:X is not a pigmented product, it applies almost clear but accelerates the natural weathering of the timber when exposed to moisture. Within three to four weeks with exposure to moisture colour change will be evident and continue to develop over 12 to 24 months to a silver-grey weathered like finish. We recommend spraying with water 2-3 times per week for the first 3-4 weeks to activate and accelerate the process where rain cannot or will not perform this task. Note this process is specie dependent, not all species will necessarily react in the same way and with the same speed.



**Vulcan SiOO:X
weathered**

**Vulcan Raw
unweathered**

* Indicative only

Compatibility Vulcan thermally modified timber been tested with good results but not all timber species will react in the same way, perform a trial or talk to your product supplier about other species.

Advantages The wood protection system can last up to 12 years in vertical applications with a single re-coat at the 4-7 year period. Strengthens the wood surface and protects against damaging UV radiation which makes it easy to clean and maintain when necessary.

Maintenance Surface must be kept free from algae, dirt, environmental pollution and such. Check the surface regularly so you can care for and maintain as needed. Refer to SiOO:X Maintenance Guidelines for further detailed instructions.



SiOO:X Premium Wood & Surface Protection

PREPARATIONS

- If necessary clean the surface with SiOO:X Pre Wash to remove any oil, algae and blackened regions.
- Ensure timber surfaces are clean and dry before any application.
- Do not apply where moisture content of timber is above 16%.
- Protect all adjacent surfaces from splashes (especially glass, aluminium, stone and tiles).
- Use gloves and eye protection.
- Performs best on sawn timber with a coarse surface structure.
- On smooth dressed timber sanding with 60 grit paper will open the timber and allow better product penetration.
- Avoid any rain and application in strong sunlight as treatment will dry too quickly.
- Lowest temperature for use +6 °C

APPLICATION ADVICE

- Mix well and ensure all solids are dissolved (particularly with Surface Protection Step 2)
- Apply liberally with brush or sprayer. Let the treatment soak in and brush away any excess.
- Wipe away any spills immediately with a wet cloth.
- Treat the end grain and joints. We recommend that the timber be fully coated on all faces when possible.
- Factory treatment is recommended for best results.
- Refer to SiOO:X Product Application Instructions for further application details.
- Basic Application process is as follows
- Coat 1 of Step 1 - allow minimum 2 hours drying time
- Coat 2 of Step 1 - allow minimum 4 hours drying time
- Coat 1 of Step 2 - allow minimum 2 hours before use

SiOO:X Premium Wood Protection

COVERAGE

- Approximately 6-8 m²/litre, (so for 2 coats as is usually necessary say 3-4m²/litre) this can vary up and down depending upon specie and surface porosity.

INGREDIENTS

- Silicon, potassium, natural plant parts and water.
- Non-Toxic, Nil VOC's. Tested according to standards EN 84 and EN 113

STORAGE

- At temperatures of 5–30 deg°C Shelf life in well-filled sealed container is up to 4 years.
- In case of contact with eyes or skin, wash with water. Product can cause skin irritation, seek medical assistance.

SiOO:X Premium Surface Protection

COVERAGE

- Approximately 8-10 m²/litre (one coat required usually), this can vary up and down depending upon specie and surface porosity.

INGREDIENTS

- Silicon emulsion and water.
- Non-Toxic, Nil VOC's.

STORAGE

- At temperatures of 5–30 deg°C. Shelf life in well-filled sealed container is up to 2 years.
- In case of contact with eyes or skin, wash with water. Product can cause skin irritation, seek medical assistance.