

Exterior Sealer

**Ultra Long-Life, Deep Penetrating,
UV Resistant, Weatherproof
Sealer, Solvent Based**

Product Description

Rystix Exterior Sealer is a unique hybrid between a penetrating oil and a film building coating providing ultra long-life protection to all exterior timbers. The Sealer obtains a deep penetration into the timber which is the key into the timber and the foundation for the film building process, which provides UV and weather protection.

Superior quality Exterior Sealer looks like a varnish but does not behave like a varnish as a long oil Alkyd resin base provides the product with tremendous flexibility to expand and contract and the sealer will therefore not peel or flake if applied to clean, dry surfaces. It has an exceptionally high degree of UV resistance and special agents to prevent against dry rot, surface insect and fungal attack. Exterior Sealer proved superior to market leading competitor brands when submitted to accelerated weathering tests by the Council for Scientific and Industrial Research. These facts are reinforced by extensive field testing which confirm that Timbacare performs the best over a longer period of time if applied in the recommended manner. Exterior Sealer has proven capability and durability in all climatic environments.

Exterior Sealer is micro-porous allowing the timber to breathe and moisture to evaporate. The standard colour shades are highly translucent accentuating the natural beauty of the timber.

Colour Range

Exterior Sealer is available in Clear and 5 standard translucent shades with a gloss sheen: Clear, Natural/Light Yellow, Mahogany, Oak, Teak and Ebony. For enhanced UV protection one of the standard colours is recommended. The Clear variant can be tinted to any required colour by the addition of universal tints.

Recommended Uses

Exterior Sealer is recommended for use on all exterior woodwork likely to be directly or indirectly exposed to harsh weather and strong sunlight. Sealer's unique hybrid behaviour enables long term treatment solutions for stable homogenous hardwoods (including Teak and Ipe) and softwoods (all softwood types including Cedar used extensively in the cladding industry). Exterior Sealer's ability to provide an effective coating to these timbers with high natural oil content will only serve to emphasize its superior performance ability on other less oily hardwood and softwood timbers.

Where product lifespan is likely to be determined by weathering rather than physical abrasion (see Armadek) then the choice should be to use Exterior Sealer. This product can be used to treat all timber types and application purposes include cladding, log-cabins, general outdoor wooden furniture, windows and doors, fencing, sheds and decking.

Application Instructions

General

Stir thoroughly before use to prevent settling out of drying and protective agents. Ensure the timber is clean and dry before coating. Apply each coat without dilution by brush or roller (or with suitable spray equipment). For maximum protection it is essential that sufficient sealer is carefully brushed onto the timber in order to achieve an even protective layer with an overall homogenous lustre. An uneven or patchy appearance indicates insufficient coating and in this case an additional coat should be applied. Extra care should be taken when applying the Clear coating to ensure that an even coating is applied to all surfaces.

During all applications pay particular attention to end grain areas which should be liberally coated for deep penetration. For best results apply an additional coat after 12 months.

In the case of dense hardwoods the first coat may be diluted with up to 25% turpentine substitute / white spirit to improve penetration. For best results, dilution is not recommended on all types of timber, however, some contractors prefer to dilute on the first coat ONLY and by NO MORE than 25%.

On horizontal timber surfaces subject to high traffic / wear and tear (decks, stairs, hand-rails) the addition of 5% to 10% Timbacare Additive for Sealer ("AFS") improves the wear resistance and speeds up the drying time to approximately 4 hours. If the Additive for Sealer is mixed with Exterior Sealer then DO NOT DILUTE and only mix as much product as can be coated in 2 hours as the catalyst will harden the product in the tin.

Coverage Rates

A three coat application will average approximately 10 – 12 square meters per litre per coat, depending on the density and porosity of the substrate.

Number of Coats

Apply minimum 3 coats to all vertical surfaces (1st coat: primer coat, 2nd coat: under coat, 3rd coat: finishing coat). Recommend applying 4 coats to all horizontal surfaces eg decks, handrails, stairs, walkways.

Drying Time

Allow at least 6 – 8 hours drying time between coats (preferably longer in cooler conditions). Drying times can be affected by factors such as temperature, season and the weather as well as the type and density of the timber. Do not coat in damp conditions or when rain is anticipated within the 8 hour timeframe required for the product to dry.

Timber Surface Preparation

New Timber

Wax additives from pressure treatment and mill glaze residue can be removed from the surface by de-greasing using turpentine substitute / white spirit. When preparing exterior timber (excluding rough sawn timber) it is always advisable to sand the surface of the timber with a fine grit paper (180 to 220 grit) to open up the cellular structure of the timber and make it more receptive to penetration by the coating. Any external timber that is not treated or maintained will weather, become unsightly and eventually break down and develop splinters. Even the heartwood of any hardwood, when exposed to the external elements, is not expected to last more than 15 years if left unprotected. Significantly, the sapwood areas of the hardwoods have no life span at all if not protected.

Old Timber

Remove all degradation from the surface of the timber by sanding to achieve a clean surface before applying Timbacare Exterior Sealer.

Compatibility

Where products other than Rystix Timbacare have been previously applied to a surface, remove these coatings from the surface by applying stripper or by sanding and/or scraping before applying Timbacare Exterior Sealer.

Timbacare Exterior Sealer can be applied to treated timber like water-borne CCA or oil-borne Creosote providing the timber is re-dried and clean after the treatment and any residue cleaned with turpentine substitute / white spirit.

Timber Moisture Content

Ideally timber should have a moisture content between 12% and 16%. Avoid coating timber that has a moisture content over 20%. At 22% timber is considered to be saturated. In climates where there is excessive moisture during parts of the year it may be advisable to defer coating until drier weather (especially on horizontal surfaces).

Maintenance

The refurbishment process for Timbacare is different to that for varnishes on the market, in that these other products need to be removed from the surface of the timber by scraping or sanding before recoating can take place. Where Timbacare has been previously used, it is only necessary to clean the surface with detergent water or turpentine substitute / white spirit to remove dirt and impurities and allow it to dry before applying two light fresh coats. Resinous wood knots or areas subjected to bird droppings, oil spillages, etc, will require additional solvent cleaning and/or light sanding. The process of recoating over time simply replaces the layers that have been lost to weathering.

Storage

If the container is full and tightly sealed then the product will have a shelf life of a number of years. Store in a dry place and do not store in frosty conditions or in prolonged temperatures below zero degrees Celsius.

Cleaning

Clean brushes and all equipment with turpentine substitute / white spirit / solvent brush cleaner immediately after use.

Health and Environment

Rystix Timbacare Exterior Sealer contains active ingredients against blue-stain and biocides and fungicides in accordance with the latest results in technical research. It is also in accordance with rules and regulations now valid in countries of the European Union. The EU limit for this product (cat A/e): 400g/l (2010). This product contains max 394g/l VOC (high VOC category).

Fire Conduct

The dry coating surface is hardly flammable according to TL A-053. Fire retardancy is in compliance with the demands of German DIN 4102 (fire conduct of building materials and components) Class B2 (normal combustibility).

Container Sizes

1L, 5L and 25L

Caution – Safety

Rystix Timbacare Exterior Sealer contains flammable solvents and should be kept away from open flames and stored in a cool place out of the reach of children. Ensure adequate ventilation while applying indoors or in confined areas.

For further information, contact Rystix:

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