



# Exterior Armadek

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**Long Life, Tough, , UV Resistant,  
Weatherproof Coating, Water-Based**

## **Product Description**

Rystix Exterior Armadek is a superior quality water based protective coating specially designed to protect and beautify outdoor wooden decks and can also be used on outdoor furniture and cabins. Armadek is an acrylic based product that forms a tough wear resistant coating on the surface of the timber and is an extremely quick drying, low odour product that is easy to apply.

Exterior Armadek is not a varnish and 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. Extensive field testing confirms that Timbacare performs best over a longer period of time if applied in the recommended manner. Exterior Armadek has proven capability and durability in all climatic environments.

Rystix Exterior Armadek 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.

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## **Colour Range**

Exterior Armadek is available in Clear and 5 standard translucent shades with a satin sheen: Clear, Oregon, Mahogany, Brown, Rosewood and Imbuia. 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.

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## **Recommended Uses**

Exterior Armadek is recommended for use on all exterior woodwork likely to be directly or indirectly exposed to harsh weather and strong sunlight. Where product lifespan is likely to be determined by physical abrasion rather than weathering (see Exterior Sealer) then the choice should be to use Exterior Armadek. This product can be used to treat most timber types (avoid coating timbers with high natural oil content such as Teak and Ipe) 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 by brush or roller (or with suitable spray equipment). For maximum protection it is essential that sufficient Armadek 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. Insufficient application will reduce the level of protection and therefore the life of the coating. However, do not "slap" Armadek on heavy and thick as this retards drying and reduces toughness.

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

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### Coverage Rates

A three coat application will average approximately 10 – 14 square meters per litre per coat, depending on the density and porosity of the substrate.

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### 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 top surfaces eg decks, handrails, stairs, walkways.

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### Drying Time

Allow at least 2 hours drying time between coats (preferably longer in cooler conditions). Armadek is exceptionally fast-drying and is usually touch dry within 30 minutes. However, 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 normal timeframe required for the product to dry.

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### 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.

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### Old Timber

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

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### 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 Armadek.

Timbacare Exterior Armadek 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.

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## 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).

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## 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 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 cleaning and/or light sanding. The process of recoating over time simply replaces the layers that have been lost to weathering.

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## 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.

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## Cleaning

Clean brushes and all equipment with cold or luke-warm water immediately after use.

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## Health and Environment

Rystix Timbacare Exterior Armadek 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):130g/l (2010). This product contains max 23.5g/l VOC (Low VOC category).

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## 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).

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## Container Sizes

1L, 5L and 20L

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## Caution – Safety

Rystix Timbacare Exterior Armadek contains no flammable solvents, but since it contains certain preservative compounds, it should be stored out of the reach of children in a cool dry place.

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### ***For further information, contact Rystix:***

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