



Care, Maintenance and Durability for Cladding and other semi-stable timber substrates.



Anker Stuy - We make paint special

Ankolux Woodstain TP and Ankolux Opaque Woodstain



Ankolux Woodstain TP and Ankolux Opaque Woodstain are unique for the UK cladding and outdoor building timber market. They are formulated specifically for this purpose to provide a very durable and yet aesthetically pleasing surface for a range of timbers used in this sector. The natural looking matt finish has excellent penetration to provide the ideal solution for exterior cladding applications.

These superior quality coatings are based on an alkyd emulsion binder which has excellent adhesion to timber and also very effective water resistance. They are applied by efficient factory processes but also lend themselves to very easy application by brush, making maintenance simple.

Perfect colour mixing and matching

Our colour mixing is conducted at our UK site headquarters using the latest dispensing and agitation equipment. We're able to match colours from swatches, charts and samples that the customer provides or from various colour samples and charts from our libraries. We use the latest technology in colour spectrometers to achieve colour matches with the smallest deviation from the original sample or colour chart.

We use the highest quality pigments available on the market, comparable to the pigments used in automotive finishing. This means that colours that are traditionally known for poor longevity such as red will stay red for many years.

Certified products

Anker Stuy coatings are certified by the SKH wood institute in The Netherlands and can be supplied under KOMO certifications - widely regarded as the leading accreditation body in Europe for testing and accreditation of products for the construction industry.

On site care during installation

Anker Stuy systems offer excellent long-term lifespan, adding value to the properties on which they are used. To achieve the best possible extended lifespan the coated surface must be maintained in a suitable fashion. Your timber cladding or exterior building has a very durable three-layer system but despite long-term performance in the UK climate it will eventually require redecoration by brush, using the same high quality Anker Stuy products that have been applied in the factory prior to installation.

Before a full redecoration of the coating is necessary, it is very important to keep on top of any damaged areas. These must be repaired in a suitable timescale and cared for in the right way. This document takes the property owner through the required care and maintenance of the factory-applied finishes.

Installation damages

If the coated timber surfaces are damaged during installation and this has caused any breach of the coating such as scratches, then it is necessary to touch in these areas with fresh product.

Cut ends or holes such as drilled holes

In the event that it has been necessary to cut cladding sections or drill holes through the coated surface then exposed end grain will be present. To prevent uncontrolled moisture ingress into the end grain sections we recommend that a full layer of our Ankolux end grain sealer 23-0350 is applied. Once this is dry it will be necessary to apply two liberal coats of the Woodstain TP or the Opaque Woodstain in the appropriate colour to these cut end sections. Apply by brush and leave at least 2 hours between coats.

If the timber being used is a non-durable species, then it is prudent to apply a suitable clear preservative to the bare timber prior to applying any coatings.

Shakes or cracks

Some small two to three millimetre cracks might appear in the timber over time. Brush apply Ankolux Woodstain TP or Ankolux Opaque Woodstain working the product into the crack or shake, brush off any excess that might start to run or drip. Do not fill these cracks or shakes with a filler or putty.

General information

When applying the Ankolux Woodstain TP and Ankolux Opaque Woodstain always use a nylon bristle brush suitable for water-based coatings. Allow suitable drying time (at least 2 hours depending on layer thickness applied). If any sanding is necessary always make sure sanding dust is washed off the surface prior to application of further coats.

General Maintenance

If the coated surfaces are accessible, then washing the surface from time to time to remove airborne pollution or debris can help extend the lifespan of the coating. Removal of algae or mould using suitable cleaning materials is a good precaution. On exterior cladded buildings such as log cabins, when algae or mould has gathered it is a good idea to wash down surfaces with a diluted solution of household bleach (2 parts water to 1 part bleach). Leave the solution 20 minutes to act then rinse with clean water.

If cleaning as described above is not possible then brushing surfaces to remove settled dirt and debris can be helpful.

Maintenance Guidelines for Ankolux Woodstain TP and Ankolux Opaque Woodstain.

Planned timber abraded with course grade abrasive and Sawn (Fine cut) timber

Coating type	Substrate position	Inland locations not on a hill side	Inland locations on a hill side	Mountainous or Coastal regions
Ankolux Opaque Wood stain and Ankolux Woodstain TP in medium or dark stain finishes	Sheltered from direct exterior weathering	>30 Years		
	Not sheltered, fully exposed	Up to 10 years	Up to 7 years	Up to 6 years
Ankolux Woodstain TP in highly translucent stains such as light oak and pine	Sheltered from direct exterior weathering	>30 years		
	Not sheltered, fully exposed	Up to 5 years	Up to 4 years	Up to 4 years

Please see notes below

The maintenance period is greatly affected by exposure and building design. The table above demonstrates the expected maintenance schedule for **factory-finished** cladding coated with the above products.

The stability of the timber used is also a key factor in how well the coatings will perform. More stable substrates such as Western red cedar will give the best results. Less stable timbers may result in movement which results in poorer performance.

On sharp edges the coating film has a lower thickness. On these areas maintenance may be required sooner. In coastal locations where dry sand blasting occurs, care and maintenance will be required on a more regular basis.

Dark colours are highly susceptible to solar heat gain and therefore may create higher levels of substrate instability. This may be further exacerbated with significant fluctuations in relative humidity.

Please note the timescales given above are just rough indications of what may be achieved and do not constitute a guarantee. It is not possible to provide detail on all aspects of a building including the lifespan at each compass point, but certainly south facing aspects will deteriorate the quickest. For north facing aspects lifespans beyond those states above are likely. For some very light shades the lifespans in this table do not apply, please ask us for advice. They may require more regular maintenance and the colour of the timber under these lighter translucent shades will significantly change. For further advice and to select the most suitable shade for your project, contact Anker Stuy Coatings UK at sales@ankerstuy.com

Redecoration of weathered coating surfaces

For opaque finishes apply Ankolux Opaque Woodstain and for translucent finishes apply Ankolux Woodstain TP.

Procedure

- 1) All surfaces should be clean and clear of any debris or loose material before any coating application takes place.
- 2) Ensure the temperature is above 10°C when redecoration is being carried out. It is also important that the relative humidity does not exceed 80%. Do not apply in rain or when there is mist in the air and avoid application on days where there is a very high risk of rain.
- 3) Check for damaged coatings and rectify as follows. Remove all loosely adhered coatings by first scraping with a sharp scraper then sanding with a P100 abrasive. Sand back any grey timber to a sound clean surface. This is because applying coatings on the loose timber fibres present on grey denatured timber may result in premature breakdown of the maintenance coating. Where the existing sound coating is difficult to remove it will be necessary to feather the edge between sound coatings and bare timber with a P120 abrasive, so the transition is as smooth as possible.
- 4) Before any widescale coating commences try a test on an inconspicuous area first to ensure satisfaction with the colour and sheen level of the remedial work.
- 5) Bring forward bare areas by applying a full coat of the appropriate Ankolux product. Ensure that the end grain is also coated if exposed.
- 6) Once a clean and sound and even appearance is achieved (which may take more than one coat) apply a further coat of the appropriate maintenance product. Always use a good quality, long-haired, synthetic bristle brush for the application of the water-based products.
- 7) Allow 4 hours between coats. After drying a light de-nib with a very fine abrasive paper (p180 - p240 grade) may be required.
- 8) Apply a second full coat of the appropriate Ankolux product.

Applying water-based coatings.

- Load the coating generously onto the surface before brushing out.
- Even out the coating, brushing first across the grain, then along the grain allowing the coating to level out and flow out naturally.
- Apply and finish each section systematically, finishing cladding lengths in small groups.