

UV Protection Wood Finish Exterior

Technical Data Sheet

January 2020

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- » for exterior wood
- » transparent wood finish with long term UV protection against greying
- » natural oil based
- » open-pored
- » satin matt

Product characteristics:

SAICOS UV Protection Wood Finish Exterior is a satin matt, newly developed wood finish for all exterior (and interior) wood - based on natural plants oils - which reduces greying and yellowing by a multiple compared to untreated wood.

Colour pigments with additional high UV resistance give durable beauty to the wood.

The open-pored wood stain does not crack, flake, peel or blister. It is water repellent, moisture regulating and reduces swelling and shrinking of the wood.

SAICOS UV Protection Wood Finish Exterior is extremely efficient, easy to apply and maintain (for freshening up just another coat on the clean surface - no sanding, no sanding dust).

Saliva and sweat resistant acc. DIN 53160 T.1+2.

Complies with the migration behavior according to DIN EN 71T.3.

Colours:

1101	Colourless*	
1111	Pine	transparent
1138	Mahogany	transparent
1171	Grey	transparent
1181	Walnut	transparent

*Can also be applied as UV protection on other coatings.

Note:

All colours are mixable with each other. If having tins from different batches, please mix these before usage. The colour result depends on several factors: besides the wood species and quality the sanding is also crucial. We recommend a trial coating on original timber in order to obtain the most accurate preview of the later result.

Fields of application:

Can be applied on all exterior wood which shall stay "natural" f. i. wood cladding, roof overhangs, windows, doors...

Preparation:

Wood surface must be clean and dry (max. moisture content 18%). Clean old open-pored finishes if in good condition. Remove old lacquer coats. Apply on frostfree wood only. We recommend a pretreatment of wood tending to develop blue stain (f.i. softwood such as pine and fir) with one coat of SAICOS Universal Impregnation 9004 if possible on all sides of the wood (drying time min. 4 - 6 hrs).

* Use biocide products with caution.

Always read label and product information prior usage.

Processing:

SAICOS UV Protection Wood Finish Exterior is ready to use. Stir well. Apply with SAICOS Flat Brush thinly and evenly on clean and dry surface.

The result is dependent on condition of wood surface - a trial application is therefore always recommended.

Best processing temperature:

between 8° C und 35° C Apply on frostfree wood only.

Coverage per liter:

13 m² with 2 coats

Depends on wood species and surface structure. Sawn wood has a higher consumption.

Number of coats:

as sole finish: 2 coats, as top coat: 1 coat.

As sole finish - 2 coats:

1101 Colourless on wood which shall be left "natural". The transparent stains 1111 Pine, 1138 Mahogany, 1181 Walnut and 1171 Grey are especially recommended for wood surfaces where a more even wood colouring is desired (please make a trial coating for optical replication).

As satin matt finish - 1 coat:

On top of all SAICOS exterior and interior transparent or opaque wood finishes to heighten their durability and UV resistance.

This product can also be used with machinery. For further information please contact your dealer.

Drying time:

6 - 8 hrs (depending on temperature and air humidity). Dust dry after approx. 4 hrs.

Second coat can be applied after complete drying.

If applied as finish on top of painted wood surface one coat is sufficient.

Easy maintenance:

Wood treated with SAICOS UV Protection Wood Finish Exterior usually does not require any specific maintenance. For freshening up no sanding is required. Just apply another coat on the cleaned and dry surface.

Cleaning of tools:

With SAICOS Brush Cleaner or white spirit.

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Storage:

At least 5 years in sealed container. The liquid product is not susceptible to frost. To restore good spreadability after exposure to frost, store at room temperature for several hours and stir well.

Physical properties: Density: 0.9 - 1.1 g/cm³

Viscosity: 40 - 65 seconds, 4 mm cup, DIN 53211

Odour: faint/weak (alike natural vegetable oils), odourless when dry.

Flashpoint: > 61 °C acc. DIN 53213

Safety Instructions – first aid:

Keep out of the reach of children. Do not fill into food, beverage or other containers used for foodstuffs. Wash out any product-soaked rags immediately or store in an airtight container (danger of combustion). The dried coating is normally inflammable acc. to EURO norm EN 13501 (DIN 4102 B2).

Contains:

IPBC, 2-butanone-oxime.

May produce an allergic reaction.

Safety data sheet available on request.

EU limit for clear coating and stain (cat. A/e): 400 g/l (2010).
SAICOS UV Protection Wood Finish Exterior contains maximum 400 g/l VOC.

Our application advice is provided to the best of our knowledge and based on experiments, however, applies only as a non-binding recommendation and does not exempt you from testing the products supplied by us as to their suitability for the intended purpose. Since the application and processing of the products is beyond our control, the responsibility rests solely with the user. With publishing a new technical data sheet the previous loses its validity.

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