

Lignodur VarioGuard Tix 510



Drip-free alkyd resin woodstain



Color System

Field of application

For weather-resistant glazing coats on all hardwood and coniferous woods, primarily outdoors. As a one-pot system, it can be used on non-dimensionally stable and partially dimensionally stable wooden components, e.g., overlapping wooden paneling, or tongue and groove wooden paneling (roof soffits), fences, pergolas, garden sheds, timber framework and shutters. Furthermore, it can also be used indoors. On surfaces that are highly exposed to moisture, e.g., on roof soffits which are exposed to condensation, there is a risk of fungal infestation. For such surfaces we recommend using Lignodur VarioGuard Tix 510 in Protect quality (for further Information on this, refer to Notes).

Properties

- Deep penetrating alkyd resin woodstain
- For indoors and outdoors
- Aromatics-free
- Moisture regulating
- Silk gloss
- Also available in metallic color shades
- Drip-free for safe overhead work
- Optionally available for external areas in Protect quality (film protection against an algal and fungal infestation of the coating)

Material description

Colors

Woodstain color shades

Scala no.	Description
-	0100 transparent ¹⁾
09.LA.03	1410 oak
09.LA.02	1411 pine
21.LA.03	3410 mahogany
03.LA.08	7410 pebble
75.LA.02	7411 graphite
15.LA.03	8410 nutbrown
15.LA.02	8411 chestnut
12.LA.05	8412 teak

Metallic color shades

Scala no.	
60.ML.01	(9006)
75.ML.02	(9007)
42.ML.01	(701)
51.ML.01	(703)
72.ML.01	
15.ML.01	
96.ML.01	
21.ML.01	

Material description

Colors	Woodstain color shades Scala no. Description 18.LA.04 8415 rosewood 03.LA.03 9410 ebony 03.LA.01 9510 chalk white ¹⁾ May only be used indoors; please refer to the information below Notes. Additional color shades from the Brillux Color System.
Gloss grade	Silk gloss
Base material	Special alkyd resin, solvent-based
VOC	EU limit for this product (Cat. A/e): 400 g/l (2010). This product contains max. 400 g/l VOC.
Flash point	+62°C
Density	Approx. 0.85–1.0 g/cm ³ , depending on the color shade.
Packaging	Standard: 750 ml, 3 l and 10 l Metallic color shades: 750 ml, 3 l Color System: 750 ml, 3 l and 10 l

Use

Thinning	Ready for application. No thinning, since this would result in the EU limit value in accordance with the VOC Directive being exceeded.
Tinting	All woodstain color shades can be mixed with each other. More color shades can be achieved with the Brillux Color System. We recommend waiting for 24 hours before applying these mixtures in order to allow for the thixotropic effect and the resulting properties to build up again.
Compatibility	Can only be mixed with materials of the same type and those specified in this data sheet.
Application	Stir thoroughly before use. After stirring, first allow the material to stand so that the thixotropic condition can become reestablished. Evenly apply Lignodur VarioGuard Tix 510 with a natural bristle brush or a Uni-Plus Paint Brush. Alternatively, Lignodur VarioGuard Tix 510 can also be applied without Protect additive using the spray method. In that case, the surfaces are subsequently to be smoothed by brush. All information on spray application are summarized in the following table "Spray data"
Consumption	Approx. 70 ml/m ² per layer. Determine the exact consumption by means of a test application on the object to be coated.
Application temperature	Do not apply if air or object temperature is below +5°C.
Tool cleaning	Clean tools immediately after use with Thinner AF 631 or Quick-acting Brush Cleaner 111.

Use

Spray data

Spray system	Nozzle	Spray angle	Supply air / air quantity	Material pressure / material quantity	Thinning	Cross-spraying ⁴⁾
Low pressure ¹⁾	Yellow front end ²⁾	–	100%	Ring setting 5–6	Unthinned	1
Battery-Airless ³⁾	0.008 inch	–	–	regulator Level 3 (110 bar)	Unthinned	½

Only material without Protect additive may be applied using the spray method.

The data is based on substrate and ambient temperatures of +20°C.

¹⁾ Information relating to XVLP technology with Wagner FinishControl FC 3500 or FC 5000.

²⁾ StandardSpray spray attachment (yellow) for all standard enamel paints and woodstains. Also keep the nozzle clean during application. Remove dry paint material with a soft brush. Please follow the equipment manufacturer's instructions.

³⁾ Information relating to the use of the SprayPack 18 V Select 3344 spraying system.

⁴⁾ The areas are to be brushed after spray application to achieve a smooth surface.

Drying (+20°C, 65% relative humidity)

Dry after approx. 7 hours. Recoatable after approx. 24 hours.
Allow for longer drying time if the temperature is lower and/or the humidity is higher.

Storage

Store in a cool and dry location. Reseal opened containers tightly.

Declaration

Product code BSL10
Comply with the specifications in the current safety data sheet.

Coating build-up

Substrate preparation

- The substrate must be solid, dry, clean, with good adhesiveness, load-bearing and free from separating agents.
- The BFS Leaflet no. 18 specifies that the maximum moisture content for dimensionally stable components be limited to 15%.
- For non-dimensionally stable components and components with limited dimensional stability, the moisture content must not exceed 18%. Remove grayed wood down to the load-bearing wood layers.
- Hazardous particles and vapors may be released while reworking or removing old paint coats, e.g. as a result of sanding, paint removal by heat gun. Only perform this kind of work in well ventilated areas and ensure the use of appropriate protective equipment (including respiratory protective equipment) as required.
- Also see BFS Leaflet no. 18, 4 and 5, as well as VOB Part C, DIN 18363, Paragraph 3.

Coating build-up

Exterior coats on non-dimensionally stable and limited dimensionally stable wooden components

Substrates	Impregnation ¹⁾	Prime coat	Intermediate coat	Top coat
Untreated wood, outdoors, e.g. tongue and groove paneling (roof soffits), fences, pergolas, garden sheds, timber framework, shutters, etc.	Lignodur Contrabol 550	Lignodur VarioGuard Tix 510	Lignodur VarioGuard Tix 510	Lignodur VarioGuard Tix 510
Wooden components with an intact woodstain coat	Raw wooden surfaces with Lignodur Contrabol 550	If necessary, repair damaged areas with Lignodur VarioGuard Tix 510		

¹⁾ Follow the instructions in BFS Leaflet No. 18, Sections 6 and 7.2.1.

Interior coats on wood

Substrates	Prime coat	Intermediate coat	Top coat
Untreated wooden components and wood-based materials, indoors	Lignodur VarioGuard Tix 510	If necessary, Lignodur VarioGuard Tix 510	Lignodur VarioGuard Tix 510
Wooden components and wood-based materials with intact woodstain coating, indoors	If necessary, repair damaged areas with Lignodur VarioGuard Tix 510		

Notes

Sand the substrates Sand the surfaces between work steps.

Check old coatings Check old woodstain coatings for adhesion, for example by scratching the substrate or applying then removing sticky tape. Applying a wet cloth to the surface additionally clarifies whether the coating and/or the wood is suitable for coating build-up. If a dark, damp spot appears on this part of the wood after a brief period, then the surface needs to be sanded back to the load-bearing wooden layer.

Assess woodstain color shade The various kinds of wood and existing, intact woodstain coatings affect the woodstain color shade due to intrinsic color and absorbency. For this reason, we recommend applying a test coat in advance.

Do not use colorless build-up outdoors Colorless woodstain coats are not suitable as a sole coating build-up for use in exterior areas due to their insufficient UV protection.

Shelf life of woodstain coating The shelf life of a woodstain coating depends on countless factors, e.g., the construction and the general impregnation and priming of the (specified) components. To maintain the woodstain coating, we recommend performing checks at regular intervals, but after 2–3 years at the latest, and if necessary, maintenance of the woodstain coating is to be performed, especially in areas exposed to weathering.

Indoor application	Odor and yellowing are typical material features of alkyd resin paints. For large-scale applications indoors (e.g. on ceilings and walls) and for white and light color shades, we recommend using the water-based woodstain Lignodur Grenodecor 236.
Wood-based panels for outdoors	In accordance with the current state of the art, wood-based panels are only conditionally suited for coating in exterior areas. Also refer to BFS Leaflet No. 18, Paragraph 2.2.3. A coating recommendation can only be provided on a case-by-case basis under consideration of the material type and quality, construction, and climatic conditions. Please contact the Brillux Consulting Service if you require assistance in this context.
Protect quality	Containers marked with "Protect" contain material that is enhanced in the factory by adding film protection against fungal infestation. The material may only be used outdoors. The contained preservatives minimize and/or delay the risk of fungal infestation. The material enhanced by adding film protection must be applied with sufficient layer thickness. We recommend application of at least two layers. With the current state of the art technical development, a permanent protection against fungal infestation cannot be guaranteed.
Cleaning and maintenance	For cleaning the painted surfaces, use a clean, soft cloth, dry or damp, without abrasive, solvent-based or caustic agents. Clean without applying excessive pressure (do not polish the surfaces). Perform a test cleaning beforehand in an inconspicuous area. Only clean surfaces that have completely dried and cured.
Further information	Follow the instructions in the data sheets of the products used.

Remark

This data sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this data sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

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