

# Technical information

## Hesse Antique Pre-Stain WAV 58-(colour tone) for spraying

### Product description

HYDRO stains are used as special stains to achieve an antique effect on porous or highly textured woods. Unique stain finishes can be obtained by combining them with a WAV antique stain, which can for instance be used to create a weathered surface.

### Areas of application

Use in parquet, furniture for interior decoration and interior fittings. This stain is formulated to spray without wiping. Specifically formulated for conifers.

### Area of application

- Internal fit-out
- Kitchen and bathroom
- Furniture
- Doors

### Substrate material

- Conifers

### Surface Preparation

#### Surface preparation

The wood must be dry, dust-free and grease-free.

#### Substrate sanding grits



120 - 180


#### Comments on sanding



A graduated raw wood sanding is recommended. The quality of the sanding is decisive for the quality of the final result.

A really natural-looking antique effect can be achieved if the bare wood is heavily brushed or textured.

### Application

Application	Spray nozzle size	Spray pressure	Atomizing pressure
Airmix	 0,23 - 0,28 mm	10 - 60 bar	1 - 2,5 bar
Compressed air spraying	 1 - 2 mm		

### Times

#### Drying



3 h / 20 °C

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### Finishing

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After brief drying, the second WAV antique stain is applied by spraying.

After thorough drying, the stains are coated over using light stable Hesse PU or HYDRO lacquers.

A natural wood coating such as DA 400-1, DE 42900-0003, or HDE 54500-0001 lends an unprocessed character.

Complete drying must be guaranteed prior to recoating. Drying is delayed by low temperatures, reduced exchange of air, high humidity and large application amounts.











### Processing instructions

An even, slightly damp spray application without wiping. Once the WAV pre-stain has dried, sand it for effect with a 150 grit abrasive sponge until the hard growth rings are raised. Then spray with WA post-stain and lightly wipe it, depending on the desired effect. Substrate treatment: use Andalon brushes to deeply texture solid pine, knotty pine and spruce (possibly oak) or slip matched veneers that are a minimum of 0.7 mm, preferably 1 mm thickness. Stir stains well before and during processing. The stains can be thinned with water, if required.

### Particular instructions

Can be tinted with colour concentrates in the range: BP 30xx, BP 3570. All stains from the same range can be mixed with one another.

### Technical data

Flow time (+/- 15%)		60 s / ISO3
Yield per coat		20 - 39 m²/l The spreading rate is heavily dependent on the type of application. The specifications relate to a liter of ready-for-use product, if necessary including hardener and thinner.
Proportion of renewable raw material		3.4 %
Non-volatile proportion		14.2 - 19.5 %
VOC FR		A+
conditions of transport		10 - 30 °C
Shelf life in weeks		52
Number of coats (max)		1
Amount per layer (minimum)		30 g/m²
Amount per layer (max)		60 g/m²
Total application volume		60 g/m²

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### Sample process

Contract installation in pine with weathered knots Wood preparation: deeply textured with Andalon brushes Staining: with 1 x 100 - 120 g/m<sup>2</sup> Hesse Antique pre-stain WAV 58-20500 applied damp without wiping Intermediate drying: at least 3 h / 20 °C Lacquer sanding: with a grit 150 abrasive sponge Staining: 1 x 60 - 80 g/m<sup>2</sup> - Hesse antique stain WA 58-20506 applied damp without wiping Intermediate drying: for at least 3 h / 20 °C Coating with 2 x 100 - 120 g/m<sup>2</sup> Hesse PU Natural wood effect DA 400-1, mixing ratio 10 : 1 with PU Hardener DR 470 Intermediate drying: for at least 2 h / 20 °C Lacquer sanding: grit 320 packable after drying for a minimum of 16 h / 20 °C

### Ordering information

Order number	Colour tone	Gloss level 60° (Gloss +/-5)	Gloss level
WAV 58-20500	SILBER		

### General instructions on workmanship

Trial staining of the original sanded wood with original lacquering should be carried out under real conditions. Only use stains from one batch for any one job. Do not pour soiled stains back into the original container. Clean tools with water immediately after use. Dried-on stain residue can be removed with thinners such as ZD 82.

Our technical information is continually adapted to keep up to date with the latest technology and statutory regulations. The indicated values are no specification, but typical product data. The latest version is always available online at [www.hesse-lignal.de](http://www.hesse-lignal.de) or talk to your local account manager. This information is for advice and is based on the best knowledge available and careful research in line with the current state of the art. This information cannot be held as legally binding. We also refer you to our terms and conditions of business. Material safety data sheet is provided in accordance with EC regulation no. 1907/2006.

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