

Technical information

Hesse Ammonia solution HBV 241

Product description

Ammonia solution is used as a chemical stain in the traditional smoking process. The typical, brownish wood shade with a highly structured, positive effect can only be attained by the reaction of the ammonia gas with the tannic acids in the oak wood

Areas of application

For furniture manufacturing and interior fittings.

Area of application


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

Substrate material

- not relevant

Surface Preparation

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

Substrate sanding grits  120 - 180

Application

Application

Airless



Airless low pressure



Airmix



Compressed air spraying



Flow-coating



Smooth roller



Wiping sponge roller

Non-wiping sponge roller

Spreading



Dipping



Vakumat



For more information on Order information, please visit our website, contact our account managers and field service representatives, or contact your specialist dealers.

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Finishing

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Subsequent coats can be with suitable HYDRO or PU lacquers. Do not use any acidic coating agents.











Processing instructions

Arrange the parts to be fumigated, in a distance to each other (in a closable room - e.g. a room made of partition walls coated with PE foil). Remove all metallic parts before. Pour ammonia into a big enough, flat plastic bowl and close the room. Let vapours act upon the wood until the desired colour depth is reached. Before application of the lacquer, air the parts well for several days in order to expel excess ammonia gas.

Particular instructions

Chemical stains react with the wood contents. Depending on the areas where the woods were grown, when they were cut and the like, their tannin content varies and can lead to different colour developments. Only use tannin-rich European white oak. Sapwood, red oak and many American oaks are not suitable due to the low tannin content. Do not spray or brush material! Please ask for our separate Technical Information on this topic.

Technical data

Flow time (+/- 15%)		60 s / ISO3
Yield per coat		11 - 91 m ² /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		0 %
Non-volatile proportion		0 %
VOC FR		C
conditions of transport		10 - 30 °C
Shelf life in weeks		52
Number of coats (max)		1
Amount per layer (minimum)		10 g/m ²
Amount per layer (max)		80 g/m ²
Total application volume		80 g/m ²

Ordering information

Order number	Colour tone	Gloss level 60° (Gloss +/-5)	Gloss level
HBV 241			

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General instructions on workmanship

Protective equipment: rubber apron, rubber gloves and eye protection!

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 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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