

Hesse PURA-NATURA HDE 52-0

Mixing ratio (by volume): 10 : 1 PURA-NATURA Hardener HDR 72

>Product description

wo-component HYDRO acrylic PU lacquer, abrasion resistant, tough, lightening, dull matt, light fast. With very good resistance to footprints and common household chemicals. Multicoat lacquer for priming and finishing coatings on light woods. The natural appearance of the wood is retained. Emission-tested construction product per DIBt [German institute for construction technology] principles,

>Areas of application

In living areas, and also in higher strain areas of parquet and wooden flooring.

>Surface Preparation

Surface preparation	Professionally laid and prepared parquet or corresponding wooden flooring. The floor must first be sanded back to the bare wood and be dry and free from oil, grease, wax, silicones and sanding dust.
Substrate sanding grits from-to	100 - 120
Intermediate lacquer sanding (grits) from-to	120 - 150
Finishing	After sufficient drying: initial care with Hesse PROTECT-CLEANER PR 90.
Comments on sanding	The quality and uniformity of the wood and of the lacquer sanding are crucial to the final surface finish. After sanding, remove dust as prescribed.

>Times

Shelf life	3 h / 20 °C
Drying	3 h / 20 °C
Complete drying	7 d / 20 °C
Accessible after	8 h / 20 °C
Load bearing after	7 d / 20 °C

>Application

Application
Manual application -all
Rolling
Spreading

>Processing instructions

The floor must first be sanded back to the bare wood and be dry and free from oil, grease, wax, silicones and sanding dust. Shake the lacquer well! Add the correct hardener to the organic lacquer container and immediately shake well for 1 - 2 min. Do not mix in the application container. The mixing ratio must also be accurately observed in the case of partial amounts, and the mixture well shaken. Press the strainer into the outlet opening, fill the lacquer / hardener mixture into a suitable application container and work from this! Only use a mixture within the given application time. Never store product mixed with hardening agent in closed containers. Do not use any electrical stirring devices; risk of forming foam or bubbles!

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>Technical data

Flow time	35 s / DIN EN ISO 2431 - 4 mm
Appearance	colourless
Decopaint basis	Wb
Decopaint category	j
Density series kg/l	1.025
Giscode	W3/DD+
Form of delivery	fluid
Non-volatile content series %	32
VOC EU %	6 %
VOC FR	A+
Storage temperature	10 - 30 °C
Shelf life in weeks	52
Working temperature	20 °C
Number of coats (max)	3
Amount per layer (minimum)	100 g/m ²
Amount per layer (most)	120 g/m ²
Total application volume	360 g/m ²
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Mixing ratio (gravimetric)	100 : 10 PURA-NATURA Hardener HDR 72

>Ordering information

Order number	Gloss level 60° (Gloss +/-5)	Gloss level	Container Size
HDE 52-0	3	dull matt	4.5 l

>Hardeners

Order number	Container Size	Product description
HDR 72	0.45 l	PURA-NATURA Hardener

>Equipment cleaner

Order number	Container Size	Product description
DV 9	1 l, 25 l	CLEANING-AGENT

>Cleaning agent and care product

Order number	Product description	Container Size
PR 90	PROTECT-CLEANER	1 l, 25 l
PR 91	INTENSIVE-CLEANER	1 l, 25 l

>Particular instructions

Greying may occur on dark woods or stains because of the light milky colour of the products.. In order to reduce the risk of lateral bonding, critical substrates such as wood plaster, edge lamellae, floor boards, parquet on underfloor heating, etc. require an appropriate pretreatment with HG 21, HG 22 or HG 24. If using particularly tannin-rich woods, we recommend using basecoat HG 22 or HG 24. To avoid the possibility of staining, please only renovate parquet flooring, which was previously treated with solvent-based systems, with solvent-based systems again! Shake the lacquer well! Spraying: possible; however the addition of water is required. When the hardening agent is well worked in, adjust the spraying viscosity with up to 5 % water. Personal protective equipment and adherence to the instructions for the spraying application. Press the strainer into the outlet opening, fill the lacquer / hardener mixture into a suitable application container and work from this! Only use a mixture within the given application time. Never store product mixed with hardening agent in closed containers. Do not use any electrical stirring devices; risk of forming foam or bubbles! Clean work equipment with water. Dried lacquer residue can be removed with Hesse CLEANING-AGENT DV 9. Films or carpets must not be placed on the parquet flooring until it has completely hardened. Clean work equipment with water. Dried lacquer residue can be removed with Hesse CLEANING-AGENT DV 9. Films or carpets must not be placed on the parquet flooring until it has completely hardened.

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>Sample process

Parquet flooring, solid oak tiles. Wood sanding: grit/screen 100 with subsequent dust removal. Sealing: 2 x 100 - 120 g/m² Hesse PURA-NATURA using suitable rollers. Intermediate drying: at least 2 -3 h / 20 °C room temperature and sufficient air circulation. Intermediate sanding with grinding-in machine and sanding screen 120 - 150 and subsequent dust removal. Accessible after drying for at least 8 h / 20 °C room temperature with sufficient air circulation. Fully accessible after at least 7 d / 20° C room temperature with sufficient air circulation.

>General information

[The moisture content should be between 8 - 12 %. Please do not use and dry HYDRO lacquers at material and room temperatures below 18 °C. The ideal humidity for painting is between 55 and 65 %. In order to avoid problems with bonding, please sand the lacquered surfaces before applying fresh lacquer and apply lacquer to the sanded surfaces as soon as possible. Woods with a very high wax content such as teak can have a negative effect on bonding in some circumstances. Water-soluble wood contents such as from ash and tannic acid from woods such as oak can initiate changes in colour tones and discolouration in the lacquer. For this reason we recommend a trial lacquering be undertaken as a matter of principle to assess the colour effect, bonding and drying progression under real conditions! Notes on cleaning and care: Please observe the care instructions in accordance with DIN 18356. Wipe parquet with a slightly damp, not wet, cloth. Please use only neutral, silicone-free, salmiac-free and non-abrasive cleaners. Regular care and cleaning with Hesse PROTECT-CLEANER PR 90 and Hesse INTENSIVE-CLEANER PR 91 increases the life of the sealing.

>Particular properties and/or testing standards

Standard / basis	Testing laboratory	Mark	Report	No.
Toy Safety DIN EN 71-3 (2002-11)	HE SSE			
Product meets the requirements of solvent based paints and coatings regulation - ChemVOCFarbV (German ordinance on solvent-based paints and varnishes) - according to the national implementation of 2004/42/EG ("Decopaint Directive").	HE SSE			
Emission-tested construction product per DIBt [German institute for construction technology] principles,	DIBt		Approval no.	Z-157.10-61
PVC-resistant	HE SSE			

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. Safety data sheet is provided in accordance with EC regulation no. 1907/2006.