

Hesse PURA-ONE HDE 51-x(gloss level)

Mixing ratio (by volume): 10 : 1 HYDRO Hardener HDR 71

>Product description

Two-component HYDRO Acrylate PU Lacquer, high abrasion resistance, tough, well filling, light fast. Top class Multicoat lacquer for priming and top coating in a wide field of applications. The product can be used on bleached wood. Emission-tested construction product per DIBt [German institute for construction technology] principles,. This lacquer is certified to IMO (flame retardant coating agent for seagoing vessels) and is therefore suitable for the interior fittings on ships. The special formulation of this lacquer also makes it suitable for coating wooden staircases to be creak-free.

>Areas of application

For parquet flooring, wood and OSB floors that are subjected to high demands.

>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	parquet: 100 - 120
Intermediate lacquer sanding (grits) from-to	120
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
Drying	3 h
Accessible after	8 h
Load bearing after	7 d

>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. For renovation or repairs of previously sealed surfaces: Perform a test coating to determine whether the current substrate can be sealed with PURA-ONE. After suitable drying, test the bonding of the complete coating! 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! Clean work equipment with water.. Dried lacquer residue can be removed with Hesse CLEANING-AGENT DV 9.

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>Technical data

Flow time	50 s / DIN EN ISO 2431 - 4 mm
Appearance	colourless
Decopaint basis	Wb
Decopaint category	i
Density series kg/l	1.038 - 1.044
Giscode	W3/DD+
Form of delivery	fluid
Non-volatile content series %	37.8 - 38.5
VOC EU %	7 %
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 HYDRO Hardener HDR 71

>Ordering information

Order number	Gloss level 60° (Gloss +/-5)	Gloss level	Container Size
HDE 51-2	10	matt	4.5 l
HDE 51-4	20	silk matt	4.5 l
HDE 51-7	40	satin gloss	4.5 l

>Hardeners

Order number	Container Size	Product description
HDR 71	0.45 l	HYDRO 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

>Supplementary products

Order number	Product description	Container Size
HZ 75	HYDRO Zusatz rutschhemmend	1 l

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>Particular instructions

To achieve "R9" slip resistance according to DIN 51130 you need to add 10 % of Hesse HZ 75 anti-slip additive to the final sealing coat! Please shake / stir the additive in well. Critical substrates such as wood block, on-edge lamellar parquet, floor boards, parquet flooring on underfloor heating, etc. require proper pre-treatment with HG 22 / HG 24 to minimise the risk of lateral bonding. To avoid the possibility of staining, please only renovate parquet flooring, which was previously treated with solvent-based systems, with solvent-based systems again! 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. 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. When being used as a flame-retardant coating agent for seagoing vessels, this product may only be combined with other approved and technically suitable products.

>Sample process

Parquet flooring, solid oak tiles. Wood sanding grit 100 with subsequent dust removal. Sealing: 2 x 100 - 120 g/m² Hesse PURA-ONE using a suitable roller. Intermediate drying for at least 2 - 3 h / 20 °C room temperature with sufficient air circulation. Intermediate cutting back with a single disc orbital sander and 120 - 150 abrasive screen with subsequent dust removal. Accessible after drying for at least 8 h / 20 °C room temperature and with adequate air circulation. Full resilience after at least 7 d / 20 °C room temperature and with adequate air circulation.





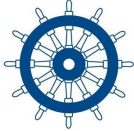
>General information

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.

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>Particular properties and/or testing standards

Standard / basis	Testing laboratory	Mark	Report	No.
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").	HESSE			
Non-slip class R 9 per DIN 51130	SFV		Test no.	201322004/3210
Emission-tested construction product per DIBt [German institute for construction technology] principles,	DIBt		Approval no.	Z-157.10-61
PVC-resistant	HESSE			
EC-Type Examination (Module B) Certificate; coating for sea going vessels complying with IMO Resolution MSC.61(67)-(FTP-Code).	Trade association transport and traffic; Ship Safety Division, Hamburg		Approval no. US Coast Guard approval no.	116.492 164.112/ EC0736/ 116.492

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.