

#### >Product description

DU 42270-0001 is a light fast, clear, two-component polyurethane acrylic resin glass lacquer. This product is durable and scratch-resistant. The finishing lacquer is specially formulated for glass lacquer coatings and produces the desired sandblast effect after drying.

#### >Areas of application

For all interior fittings, including in kitchens and bathrooms. Colouration is possible, for instance with Hesse PU coloured lacquers.

#### >Surface Preparation

Surface preparation Substrate preparation is decisive for adhesion of the coating. The glass surface to be coated must be clean and grease-free. Use Hesse Cleaning thinner ZD 101 to carefully clean the surface prior to application.

#### >Finishing

Finishing Coating one layer of the same product on top of another is not common and influences the effect and colour.

#### >Times

Usage time	5 - 6 h / 20 °C
Pot life	8 h / 20 °C
Drying	16 h / 20 °C
Stackable after	> 16 h / 20 °C
Complete drying	7 d / 20 °C

#### >Application

Application	Nozzle size in mm	Spray pressure in bar
Spraying		
2C line		
Compressed air spraying	1,8 - 2,0	1,8 - 2,0

#### >Processing instructions

Single-coat application at 130 - 160 g/m<sup>2</sup> on a carefully-prepared glass surface is recommended.

## Technical information

### Hesse PU Glass lacquer DU 42270-0001 sandblast effect

Mixing ratio (by volume): 5 : 1 PU Hardener DR 4076-0001

#### >Technical data

Flow time (+/- 15 %)	34 s / DIN 53211 - 4 mm
Appearance	colourless
Density series kg/l	0.993
Yield per coat	6 - 10 m <sup>2</sup> /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.
Form of delivery	fluid
Non-volatile content series %	46
VOC EU %	54 %
VOC FR	A+
Storage temperature	16 - 25 °C
Shelf life in weeks	52
Working temperature	20 °C
Number of coats (max)	1
Amount per layer (minimum)	100 g/m <sup>2</sup>
Amount per layer (max)	160 g/m <sup>2</sup>
Total application volume	160 g/m <sup>2</sup>
Mixing ratio (by volume)	5 : 1 PU Hardener DR 4076-0001
Mixing ratio (gravimetric)	100 : 20 PU Hardener DR 4076-0001

#### >Ordering information

Order number	Gloss level 60° (Gloss)	Gloss level	Container Size
DU 42270-0001	0 - 3	dull matt	1 l, 5 l, 25 l

#### >Hardeners

Order number	Product description	Container Size
DR 4076-0001	PU Hardener	0.2 l, 1 l, 2.5 l, 15 l

#### >Thinners

Order number	Product description	Container Size
DV 490	PU Thinner	1 l, 5 l, 15 l, 25 l
DV 4900	PU Thinner	1 l, 5 l, 15 l, 25 l

#### >Retarder

Order number	Product description	Container Size
DV 499	Universal retarder	1 l, 5 l, 10 l, 15 l, 25 l
DV 4909	PU Retarder	1 l, 5 l, 10 l, 15 l, 25 l

#### >Equipment cleaner

Order number	Product description	Container Size
RV 1	Cleaning thinner	5 l, 15 l, 25 l

#### >Cleaning agent and care product

Order number	Product description	Container Size
ZD 101	Cleaning thinner	0.25 l, 1 l, 5 l, 15 l, 25 l

#### >Particular instructions

Tinting is possible at 5 - 20 % using UNA-COLOR DB 4524x(gloss level)-(colour tone) as a coloured-glazing sandblast effect. Harden the entire mixture at a mixing ratio (by volume) of 5 : 1 with DR 4076-0001. It should be noted in this regard that the lacquer application amount, the application method and the drying conditions influence the effect and colour tone of glass coatings.

#### >Sample process

Contract installation, glass partition

Surface preparation: carefully clean and remove grease from the glass using Hesse Cleaning thinner ZD 101

Coating: 1 x 130 - 160 g/m<sup>2</sup> Hesse PU Glass lacquer DU 42270-0001 Sandblast effect, mixing ratio (by volume) 5 : 1 with PU Hardener DR 4076-0001 and the addition of 10 - 20 % Thinner DV 490 or DV 4900 in relation to the lacquer/hardener mixture

Packable: after drying for at least 16 h / 20 °C

Ready for assembly or gluing: after drying for at least 7 d / 20 °C

#### >General information

PU Glass colour lacquers should not be applied and dried at material and room temperatures below 18 °C and 40 % RH; ideal values: 20 - 25 °C, 50 - 65 % RH. Deviations result in issues with drying or curing. Old lacquer / hardener mixtures impair the surface quality (bond / resistances). The final hardness of the glass coating will be achieved after one week given proper storage (at least 20 °C room temperature). Conduct a trial coating under practical conditions as necessary!

#### >Particular properties and/or testing standards

Test standard / basis	Testing laboratory	Mark	Report	No.
PVC-resistant	HESSE			
Formulation is free of: wood preservatives, toxic heavy metals, phthalate plasticizers, formaldehyde, CMR substances in Categories 1A + 1B and volatile aromatic and halogenated organic compounds.	HESSE			
Saliva and sweat resistance according to DIN 53160 Parts 1 and 2: no discolouration (Level 5)	HESSE			
DIN 68861-Part 1B (Furniture surfaces; Behaviour under chemical demands)	HESSE			

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