



Coating: PU high-gloss coating, coloured

Products required:

- PU Isolating filler DP 4791-9343
- UNA-COLOR DB 4524x(gloss level)-(colour tone)
- FANTASTIC-BRILLANT DU 48799 or ADAMANT DU 48999
- BRILLIANT COLOUR DB 44099-(colour tone)

Please observe the precise addition of hardeners and thinners in the information below.

Description / features:

High-gloss colour lacquer surfaces

Fields of application:

Inspiring accents for interior surfaces and the commercial sector.

Application example:

Step 1 – with PU Isolating filler:

- Thoroughly sand priming foil, laminated chipboard or MDF surfaces (220 - 280 grit)
- Subject to substrate material - 1 x basecoat of 150 - 200 g/m² PU Isolating filler DP 4791-9343, mixing ratio (by volume) 4 : 1 with PU Hardener DR 4058, add 10 - 20 % Thinner DV 4935 in relation to the lacquer/hardener mixture subject to sprayer and need
- Intermediate drying > 16 hours at 20 °C
- Lacquer sanding 280 - 320 grit
- Subject to substrate material - 1 x basecoat of 150 - 200 g/m² PU Isolating filler DP 4791-9343, mixing ratio (by volume) 4 : 1 with PU Hardener DR 4058, add 10 - 20 % Thinner DV 4935 in relation to the lacquer/hardener mixture subject to sprayer and need
- Drying > 16 hours, preferably longer

Recommendation:

The longer the intermediate drying time, the less the finished high-gloss surface will break down.

Step 2 – with colour lacquer:

- Sanding 280 - 320 grit, finally 400 grit to sand smooth
- Coat 1 x subject to colour tone, if necessary 2 x 100 - 150 g/m² UNA-COLOR DB 45245-(colour tone), mixing ratio (by volume) 10 : 1 with PU Hardener DR 4070, add 5 - 20 % Thinner DV 4900 or DV 4994 in relation to the lacquer/hardener mixture subject to sprayer and need
- Intermediate drying where two coats of colour lacquer were applied > 5 hours
- Lacquer sanding 400 grit
- Drying > 5 hours, preferably 16 hours



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Step 3 - high gloss option: e.g. using FANTASTIC-BRILLANT DU 48799

- In the event of intermediate drying longer than 5 h, then use 400 - 600 grit to lightly smooth
- Apply 1 x 90 - 100 g/m² FANTASTIC-BRILLANT DU 48799, mixing ratio (by volume) 4 : 1 with PU Hardener DR 4071, adding 40 - 50 % Thinner DV 4935 to the lacquer/ hardener mixture
- Intermediate drying: 20 - 40 min / 20 °C
- Apply 1 x 100 - 120 g/m² FANTASTIC-BRILLANT DU 48799, mixing ratio (by volume) 4 : 1 with PU Hardener DR 4071, adding 20 - 30 % Thinner DV 4935 to the lacquer/ hardener mixture
- Drying: > 48 h / 20 °C

The finish can as required be polished to a high gloss after > 48 h / 20 °C complete hardening (see the special Technical Information entitled "Coating: High gloss finish with subsequent polishing/buffing" in [Beschichtung - Hochglanzlackierung mit anschliessendem Polieren-Schwabbeln EN.pdf](https://hesse-lignal-2020-production.s3.amazonaws.com/Beschichtung-Hochglanzlackierung-mit-anschliessendem-Polieren-Schwabbeln-EN.pdf) (hesse-lignal-2020-production.s3.amazonaws.com))

or

Step 3 - high gloss option: e.g. using transparent ADAMANT DU 48999 (extremely scratch resistant!)

- In the event of intermediate drying longer than 5 hours, then use 400 - 600 grit to lightly smooth
- 1 x 100 – 120 g/m² Hesse ADAMANT DU 48999, mixing ratio (by volume) 1 : 1 with PU Hardener DR 4091, as necessary add 10 – 30 % Thinner DV 4905 in relation to the lacquer/hardener mixture
- Drying: 20 - 30 min / 20 °C
- 1 x 150 – 250 g/m² Hesse ADAMANT DU 48999, mixing ratio (by volume) 1 : 1 with PU Hardener DR 4091, as necessary add 10 – 30 % Thinner DV 4905 in relation to the lacquer/hardener mixture

The finish can as required be polished to a high gloss after > 16 h / 20 °C complete hardening. See the special Technical Descriptions:

- Sanding/polishing: 3M sanding and polishing process for ADAMANT DU 48999 in [https://hesse-lignal-2020-production.s3.amazonaws.com/Dokumente/Technische Beschreibungen EN/Sanding-Polishing - 3M Sanding and Polishing Process ADAMANT DU 48999 EN.pdf](https://hesse-lignal-2020-production.s3.amazonaws.com/Dokumente/Technische-Beschreibungen-EN/Sanding-Polishing-3M-Sanding-and-Polishing-Process-ADAMANT-DU-48999-EN.pdf) and
- Sanding/polishing: Mirka polishing of ADAMANT DU 48999 in [https://hesse-lignal-2020-production.s3.amazonaws.com/Dokumente/Technische Beschreibungen EN/Sanding-Polishing - Mirka Polishing ADAMANT DU 48999 EN.pdf](https://hesse-lignal-2020-production.s3.amazonaws.com/Dokumente/Technische-Beschreibungen-EN/Sanding-Polishing-Mirka-Polishing-ADAMANT-DU-48999-EN.pdf)

or

Step 3 - high gloss option: e.g. using BRILLIANT-COLOR DB 44099-(colour tone)



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- In the event of intermediate drying longer than 5 hours, then use 400 - 600 grit to lightly smooth
- 2 x with brief intermediate drying (20 - 30 min / 20 °C room temperature) 80 - 120 g/m² Hesse BRILLIANT-COLOR DB 44099-(colour tone), mixing ratio (by volume) 2 : 1 with PU Hardener DR 4080, addition of 30 % Thinner DV 4935 in relation to the lacquer/hardener mixture
- The finish can as required be polished to a high gloss after > 3 d / 20 °C complete hardening (see the special Technical Information entitled "Coating: High gloss finish with subsequent polishing/buffing" in [Beschichtung - Hochglanzlackierung mit anschliessendem Polieren-Schwabbeln EN.pdf \(hesse-lignal-2020-production.s3.amazonaws.com\)](#)).

Handling and safety information:

Please observe the latest technical information and the material safety data sheets for the individual products listed.

Special instructions:

- The result is dependent on the substrate material, the time factor and the application devices and sanding equipment used.
- PU lacquers should not be processed and dried at material/room temperatures below 18 °C.
- Always freshly sand PU lacquer surfaces before the top coat to prevent adhesion problems.
- Please apply a test coat under real conditions.

Note:

This information is purely advisory and is based on the best knowledge available after careful research in line with current state of the art technology. This information is not legally binding. We also refer you to our Terms and Conditions.

The material safety data sheet as per regulation (EC) No. 1907/2006 is available.