



Effects: PUR glass lacquers based on UNA-COLOR DB 45245-(colour tone) and Effects behind glass

Products required:

- PU Glass Colour lacquer DB 42105-(colour tone) or optionally
- UNA-COLOR DB 45245-(colour tone) + EL 460-0025 or optionally
- PU Special Basecoat DG 4744 or UNA-PUR DE 42599 + 5 % Glass lacquer additive EL 460-0025 for pre-priming for effect coatings

Hardening: with PU Hardener DR 4076-0001

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

Description/features:

- opaque, coloured coating
- PUR coating behind glass, UNA-COLOR base

Area of application:

Hotel furnishings, shop fittings, sophisticated furnishings, kitchens, etc.

Usage time:

See separate technical information sheets for the individual products.

Pot life:

See separate technical information sheets for the individual products

Sample process:

in 4 variants

Pre-treatment: Degrease glass surface with cleaning thinner ZD 101

Behind-glass coatings for accenting a kitchen front

1st variant:

- Spray one uniform coat of 130 - 160 g/m² UNA-COLOR Glass colour lacquer DB 42105-7035
mixing ratio (by volume) 5 : 1 with PU Hardener DR 4076-0001
diluted with 10 - 20 % PU Thinner DV 4900 based on the paint/hardener mixture
- Dry for at least 4 - 6 hours at 20 °C
- packable after drying for at least 16 hours at 20 °C
- fully loadable after complete hardening for 7 days



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2nd variant:

- Spray one uniform coat of 130 - 160 g/m² UNA-COLOR DB 45245-7035 + 5 % glass lacquer additive EL 460-0025 mixing ratio 5 : 1 (by volume) with PU Hardener DR 4076-0001 diluted with 10 - 20 % PU Thinner DV 4900 based on the paint/hardener mixture
- Dry for at least 4 - 6 hours at 20 °C
- packable after drying for at least 16 hours at 20 °C
- fully loadable after complete hardening for 7 days

3rd variant for effect coatings:

- Prime with one coat of 80 - 100 g/m² PU Special Base coat for glass DG 4744 mixing ratio 5 : 1 (by volume) with PU Hardener DR 4076-0001
- Dry for at least 16 hours
- If necessary, smooth slightly with grain 400, do not sand through
- Here, the PU Special Basecoat DG 4744 is used to provide adhesion under effect coatings, e.g. cracked ice, marble, pixel and raindrop effects, etc., and subsequently the coats are applied in reverse order.
- e.g. for raindrop effect:
Prime with one coat of PU Special Base coat DG 4744 mixing ratio 5: 1 (by volume) with PU Hardener DR 4076-0001 + 5 – 10 % PU Thinner DV 4994 based on the paint/hardener mixture
- Dry for at least 16 hours, smooth slightly with grain 400
- Apply effect solution in droplets
- Apply a mist of lacquer to both sides of the droplets as desired
- Leave the effect solution to dry
- Apply a top coat of UNA-COLOR DB 45245-(colour tone)
- See technical information sheet on the raindrop effect

4rd variant for effect coatings:

- Prime with one coat of 80 - 100 g/m² UNA-PUR DE 42599 + 5 % Glass lacquer additive EL 460-0025 mixing ratio 5 : 1 (by volume) with PU Hardener DR 4076-0001
- Dry for at least 16 hours
- If necessary, smooth slightly with grain 400, do not sand through
- Here the UNA-PUR DE 42599 + 5 % Glass lacquer additive EL 460-0025 is used to provide adhesion under effect coatings, e.g. cracked ice, marble, pixel and raindrop effects, etc., and subsequently the coats are applied in reverse order.
- e.g. for Icecrack effect:
Prime with one coat of UNA-PUR DE 42599 + 5 % Glass lacquer additive EL 460-0025 mixing ratio 5: 1 (by volume) with PU Hardener DR 4076-0001 + 5 - 10 % PU Thinner DV 4900 based on the paint/hardener mixture



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- Dry for at least 16 hours, smooth slightly with grain 400
- Effect coating: 1 x 90 - 120 g/m² Icecrack ZD 3993, mixing ratio (by volume) 1 : 1 with PU Hardener DR 4032
- Drying: 16 h / 20 °C
- Coloured effect: 1 x PORECOLOR TPC 800-9005 (apply with a cloth bale remove surplus)
- Drying: 2 - 4 h / 20 °C
- Coloured coating: 1 x 115 g/m² UNA-COLOR DB 45245-9016, mixing ratio (by volume) 10 : 1 with PU Hardener DR 4070, thinned with 10 - 20 % PU Thinner DV 4900 based on the paint/hardener mixture
- Drying: 2 - 5 h / 20 °C

By adding 5% glass lacquer additive EL 460-0025, further lacquers can be applied directly on-to degreased glass:

- UNA-PUR DE 4259(gloss level)
- PU metallic DB 42634-(colour tone)
- PU metallic top coat
 - DU 45457-99060 (mother of pearl)
 - DU 45457-99009 (fine)
 - DU 45457-99012 (medium)
 - DU 45457-99015 (coarse/reflective)
 - DB 45452-99089 (granite effect)

Hardener ratio for all lacquers is then a mixing ratio (by volume) with PU Hardener DR 4076-0001

Technical data:

Please see the technical information sheets for the individual products.

Application process:

Depending on the selected effects, see the relevant technical information sheet; for DB 45245-based lacquers, the following applies:

- Spraying with cup gun:
Nozzle size 1.8 - 2.0 mm, spray pressure 2.5 - 3.5 bar
- Airmix:
Nozzle size 0.28 - 0.33 mm, spray pressure 60 - 100 bar
atomising pressure 1 - 2.5 bar, only with coloured lacquers based on DB 45245-(colour tone)
- Curtain coating: possible



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Special instructions:

- PU lacquers should not be applied or dried at product or room temperatures below 18°C.
- In order to avoid adhesion problems, please freshly sand PU lacquered surfaces before applying the next coat and apply lacquer to the sanded surfaces as soon as possible.
- Complete hardening of the coating is achieved after one week in correct storage conditions (at least 20°C room temperature).
- Please apply a test coat under real conditions.

Bonding:

Please only perform bonding of coated glass panels after sufficient hardening of the coating; Minimum drying time of 5 days room at temperature 20°C.

Paint removal of Hesse glass lacquers:

With the following paint remover (contact time: 60 min.) we achieved good results by internal testing. If necessary please make a test with this paint remover.

Scheidel GmbH & Co.KG: Scheidel-macs Blitz Entlacker, item code: 1200

Note:

This information is for advice and is based on the best knowledge available and careful research in line with current state of the art. This information cannot be held as legally binding. We also refer to our terms and conditions of business.

The Material Safety Data Sheet according to the regulation (EC) No. 1907/2006 is available.