
Effects: Concrete-look surface effect

Products required:

- Hesse PU sealing filler DP 491-9343 or DP 4791-9343
- Hesse colour stain BC 85-22736
- Hesse UNA-PU DE 55x(gloss level) or Hesse PU multi-coat lacquer DE 4259x(gloss level)
- Commercially available cement

Caution: please observe the precise addition of hardeners and thinners in the information below.

Description/features:

this type of surface effect produces a concrete-look when the coating is applied. The special thing about this surface is that the effect can be applied to almost any substrate material imaginable and comes very close to the appearance of real concrete. The benefits of Hesse's concrete-look lie in its fast and easy application. In addition, this innovative effect is simple to achieve with standard Hesse products.

Areas of use:

Furniture and interior fittings.

Application example:

- make sure the chosen substrate materials (e.g. FPY or MDF with priming foil or melamine-mastic foil) are well sanded. We recommend substrate sanding with 150 to 240 grit. If you are working with bare MDF surfaces or edges, then we recommend prior sealing with Hesse PU sealing filler DP 491-9343 or DP 4791-9343.
- Allow to dry for a minimum of 3 hours at 20 °C
- Then prime/prepare the substrate by spraying with one coat at 180 to 200 g/m². (Caution: you will need large spray nozzles). To do this you need to mix the following components from sealing filler, cement and hardener: Hesse PU sealing filler DP 491-9343 or DP 4791-9343 mixed 10 : 4 (by weight) with commercially available cement. You then need to blend this mixture evenly.
Next you add the hardener to this filler/cement mixture at a mixing ratio of 4 : 1 by volume using hardener DR 405 or hardener DR 4058.
As required, and depending on the part, you can add thinner of 10 to 15 % of DV 490 or DV 4900 to the filler/cement/hardener mixture.
- After a brief period of surface drying you can now create the actual concrete effect using a palette knife. You achieve the basic structure of the concrete-look with even, straight or individual swirling movements of the pallet knife.
Although it is also possible to simply spray the sealing filler/cement mixture in order to retain an even concrete effect.

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- After drying for a minimum of 16 hours at 20 °C you can proceed with a surface or effect cutting back using 220 to 240 grit.
You can also achieve whatever look you like by removing different layers when sanding (by hand, random orbital sander or sanding machine).
- You now evenly spray a light coat of Hesse colour stain BC 85-22736 to obtain the typical concrete shade. Next follows wiping to achieve that distinctive patina (e.g. with a gauze ball or sponge).
- After around 2 hours at 20 °C a final coating is required with Hesse multi-coat lacquer UNA-PU DE 55x(gloss level) or Hesse PU multi-coat lacquer DE 4259x(gloss level) at the desired gloss level. This can use the normal mixing ratio of 10 : 1 by volume with hardener DR 470 or DR 4070.

Information on use and safety:

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

Special instructions:

PU lacquers should not be used or dried at product or room temperatures below 18 °C.

In order to avoid adhesion problems, PU lacquered surfaces should be freshly cut back before applying the finish.

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 practice. This information cannot be held as legally binding. We also refer you to our terms and conditions of business.

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