



Effects: HYDRO Concrete effect

Products required:

- PERFECT-FILL HDP 5650-9343, with HYDRO Hardener HDR 5091
- Additive for brush application HZ 71
- Colour stain BC 85-22881
- Optional: Colour concentrate for HYDRO lacquers HF G1651
- Spatula, putty knife or similar tool
- Optional: Cement dust (for special effects)
- PERFECT-TOP HDE 54002 or PERFECT-NATURA HDE 54500 with HYDRO Hardener HDR 5091

Description/features:

This type of surface effect produces a concrete-look when the coating is applied with a brush/spatula. The original working method gives rise to the effect without the addition of cement dust. It is also advantageous that you can achieve this effect on almost every substrate material to which HYDRO-PU Pigment filler can be applied. The effect appears very close to the look of real concrete, depending on the working method selected. The effort to achieve this effect is a lot less in comparison with a "true" concrete surface. It can be achieved using standard Hesse products and the result is visible within a short period of time. Furthermore, the effect can be adapted with appropriate creativity. Thus every surface becomes a high quality, innovative and individual piece.

Fields of application:

Furniture and interior fittings.

Practical suggestions:

- Sand the selected substrate material well (e.g. FPY or MDF priming foil or melamine-mastic foil). We recommend sanding with 150 - 240 grit. Depending on the desired effect, we recommend using an initial primer on bare MDF surfaces and edges in order to achieve an homogenous base. The drying time for this primer coat is ideally overnight at 20 °C room temperature. Then sand with 280 - 400 grit directly before further coating.
- Depending on the chosen pigment filler, add up to 5 % Additive for brush application HZ 71 to obtain the desired thick-flowing application consistency.
Approximately 5 % Colour concentrate for HYDRO lacquers HF G1651 can be added to achieve a particularly authentic effect.
Mix in this additive with a stirring stick until it is homogeneously distributed. Please ensure that no air is incorporated into the lacquer if you use an electric mixer; therefore set it to slow (exception: see under hints and tips)!
Then add the relevant prescribed hardener and also work it in well.
- Apply the prepared filler mixture either copiously with a cup gun or directly onto the substrate material using a spatula and if required work it for the desired effect after a short



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drying

period using the spatula, a brush or any other tool.

- Then maintain a drying time of at least 16 hours at around 20 °C room temperature (depending on the pigment filler used and the coat thickness applied maybe even longer!).
- Sand the surface for effect. Work with circa 320 grit for smooth surfaces and correspondingly coarser sandpaper if rougher surfaces are desired.
- After removing the sanding dust, use a cup gun to spray sufficient Colour stain BC 85-22881, which has been specially formulated for this method of working, that after a brief reaction time the excess can be removed from the surface with a cloth and the desired effect can be developed. The patches where more stain remains on the surface will later appear darker than the patches where more stain was removed.
- After drying the stain for at least 1 hour at 20 °C room temperature the top coating can be applied to the surface. To do this preferably use either PERFECT-TOP HDE 54002, mixing ratio (by volume) 10 : 1 with HYDRO Hardener HDR 5091 or PERFECT-NATURA HDE 54500, mixing ratio (by volume) 10 : 1 with HYDRO Hardener HDR 5091.

Hints and tips for creative effects:

- Using HYDRO-PU Pigment fillers, i.e. 2C systems, ensures that even thicker layers/patches will be fully hardened by the next day.
- Under certain circumstances these thicker patches may not yet be fully dry if 1C HYDRO pigment fillers are used. This can result in stickiness or other surface deficiencies. This means that the drying time extends to several days under certain conditions.
- By intentionally stirring air into the pigment filler (fast stirring with an electric mixer) you achieve surfaces that dry out to be bubbly/foamy. When these surfaces are sanded you achieve the pitting that is typical in concrete. These are appropriately emphasised by the stain.
- Adding Colour concentrate for HYDRO lacquers HF G1651 results in a darker base tone. This makes it easier to accentuate the subsequent effect using the colour stain. Colour contrast also becomes more realistic.
- The pigment filler can be nuanced with HYDRO Pigment concentrates (such as HFM 985, black) to obtain a totally different base tone. Maximum additive amount 5 %.
- The concrete look is highlighted further by partially strewing the surface with cement dust. Experience suggests that the surface then becomes partially darker.
- As smooth a filler layer as possible leads to interesting effects by placing a sheet of plastic on the still damp lacquer layer. A little while later the sheet should then be slowly removed from the surface. Interesting structures can be created depending on the pressure applied, working of the sheet of plastic (e.g. with a brush or the like), the length of time resting on the damp filler surface and the method and speed of removing the sheet from



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the surface.

Next the stain is applied and processed further as described above.

- Alternatively, various background structures can be developed using different sanding methods (hand sanding with sandpaper, sponge, etc. or machine sanding with an orbital sander, etc.).
- Different patina effects can also be achieved with effect accentuation of the stain using a gauze rag or a sponge.

Handling and safety information:

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

Special instructions:

- Please follow the precise specifications for hardeners and any other additives as well as the drying times. Pay attention to careful stirring or mixing in of all necessary components.
- To avoid adhesion problems, 2C HYDRO lacquered surfaces should be freshly sanded on the next day before the finish is applied.
- Each prepared surface is a unique piece!
- Please conduct a sample coating under real conditions.

Note:

This information is advisory and is based on the best currently available knowledge and 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 according to the regulation (EC) No. 1907/2006 is available.