



# SCHÖNOX DSP PLUS INSTALLATION GUIDE

INDUSTRIAL STRENGTH MEETS INDUSTRIAL CHIC WITH SCHÖNOX

Schönox DSP Plus polished concrete is an advanced, professional grade, cement-based, self-leveling topping. It can be ground and polished to expose the aggregate and resemble the appearance of polished concrete. DSP Plus can also be customized by using topical stains or integral dyes. For more information please contact HPS North America Technical Department at 855.391.2649 or 256.856.3025, or visit [hpsubfloors.com](http://hpsubfloors.com) to reference the Technical Datasheet.

## Surface Preparation

Substrate must be clean, sound concrete that is free of all materials that may inhibit bond such as any existing sub prep material residues, curing compounds, dust, mastic, bond breakers, and other surface contaminants. Surface must be mechanically profiled to ICRI CSP 3. Surface and ambient temperatures should be between 41°F–90°F (10°C–32°C).

## Priming

Use Schönox EPA or Schönox EPA Rapid rapid-curing 2-part epoxy primer followed by an application of Schönox SHP primer. Please refer to Technical Data Sheets for product application.

## Mixing

For each bag of DSP Plus, use 2.8 liters–3.0 liters (3.0 quarts–3.1 quarts) of potable water. For polished floors, use the minimum recommended amount of water to achieve maximum aggregate exposure with minimal grinding. Add the measured amount of water to the mixing container. While the mixer is running, slowly add DSP Plus. Do not exceed 3.0 liters per bag when used for polishing.

For 2 bag batches, mix using Collomix or HippoMixer with 5.6 liters–6 liters of water. Mix using a helix style mixing paddle. Add Schönox DSP Plus slowly to mixer to assure proper material consistency and mixing. After the final bag is added to the batch, mix an additional 2 to 3 minutes until the mixture is lump-free. Do not exceed 6.3 quarts (6 liters) per 2 bags. Avoid mixers that entrap large amounts of air. Mixed DSP Plus should be placed immediately onto the substrate. Maintain material temperature between 60°F (16°C) and 80°F (27°C).

## Application

Arrange work area to permit continuous placement without cold joints. Pour the DSP Plus onto the prepared and primed substrate with a minimum thickness of 3/8" (10 mm). All existing joints and moving cracks must be honored up through the topping. Use a gauge rake to coax the material into place as required. Immediately after placement, a smoother may be used on the surface. No wet curing is required under normal conditions at 70°F (21°C). If used in exterior applications, apply a fine water mist to the newly hardened surface of DSP Plus.

## Polishing and Tooling

DSP Plus may be polished after 24–48 hours at normal conditions (50°F–90°F). DSP Plus grinds and polishes much like concrete and can achieve a very high gloss and Distinctness of Image (DOI) due to its high density and low polymer content. Polishing any topping requires a high degree of experience and craftsmanship.

Polishing is a multi-step process typically using a suitable planetary grinder and polisher for the metal (diamond impregnated pads of 40–80 grits), transitional (diamond impregnated pads of 100 grits), and resin stages (diamond impregnated pads of 100, 200, 400, finer grits as required) prior to using a micro-polisher (using diamond impregnated pads of 400, 800, finer grits as required). Schönox DSP Plus is compatible with a wide range of densifiers and sealers such as Ameripolish, Prosooco, etc. Please follow manufacturers recommendations and guidelines before applying chemicals to Schönox DSP Plus.

## Customization

Schönox DSP Plus is generally customizable through integral and topical staining, as well as added aggregates, such as glass, stone, and other types of decorative additions. Aggregates are added at the discretion of the installer. Schönox HPS North America, Inc. strongly advises preparing a small test area of your customization before full project application.



For more information or technical support, please call Schönox, HPS North America's Technical Team toll-free at 855.391.2649 or directly at 256.856.3025.

Take your business to a whole new level. Call 855.391.2649 or visit [hpsubfloors.com](http://hpsubfloors.com) to learn how your projects run smoother with Schönox On It.



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