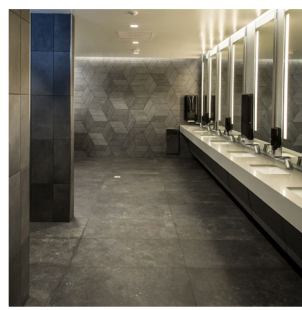
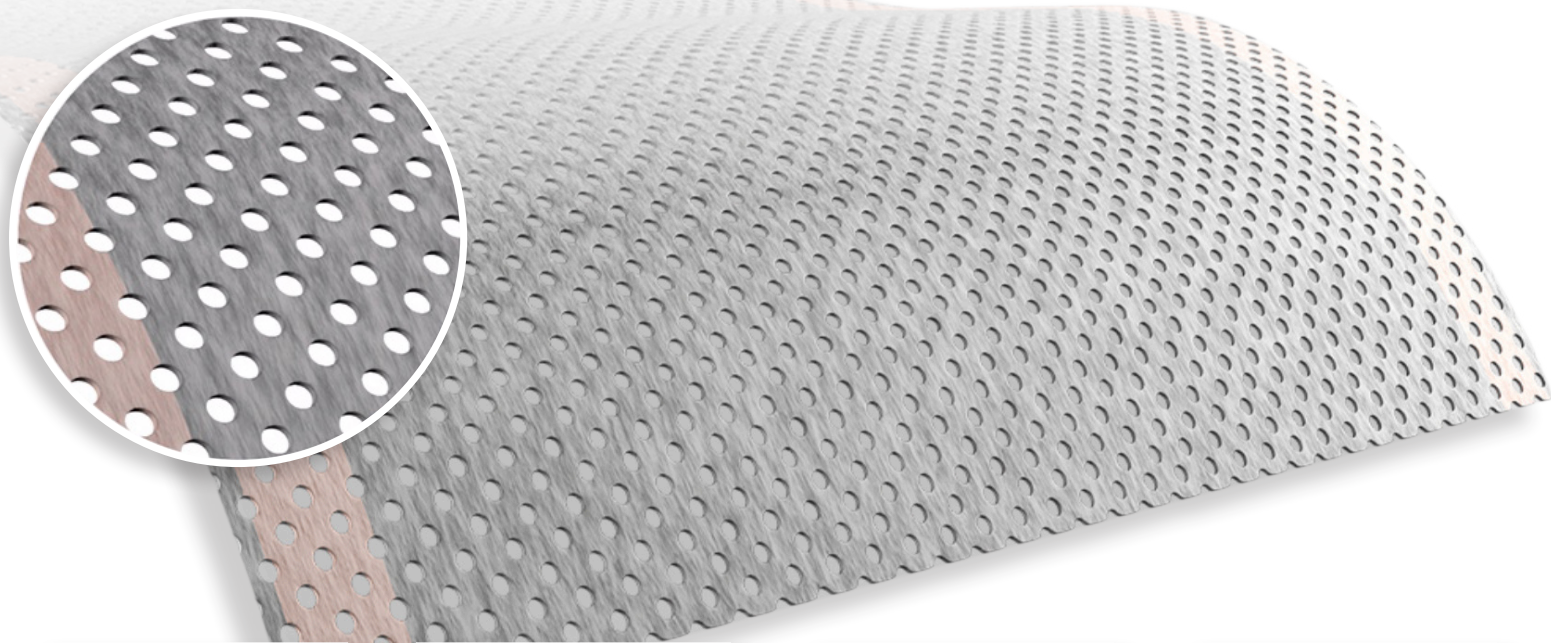


HPS COMFORTSAFE RADIANT WARMTH AND MOISTURE REDUCTION LAYER



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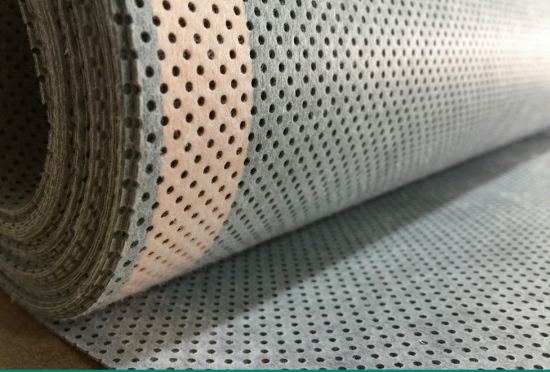
Suitable for either residential or commercial installations and ideally any floor where warmth and surface moisture reduction is desired. Each kit comes with an easy-install ComfortSafe mat and a step-by-step installation manual. Consult your HPS Schönox representative today for more information.

Each HPS ComfortSafe Residential Kit includes:

- 1 - 40' x 30" Easy-Install ComfortSafe Mat
- OJ Electronics UDG-4999 Thermostat With Floor Sensor
- PowerTrack and Connections

Each HPS ComfortSafe Commercial Kit includes:

- 1 - 32' x 35" Easy-Install ComfortSafe Mat
- TORK® SA300 120VAC 40 AMP 60Hz Timer
- PowerTrack and Connections



SCHÖNOX HPS COMFORTSAFE

RADIANT WARMTH AND MOISTURE REDUCTION LAYER

Designed for homes, businesses, public venues and more. Pair with Schönox cement or synthetic gypsum self-levelers, on a variety of substrates, to create a warmer, dryer subfloor solution.



EXTREMELY LIGHTWEIGHT



ENERGY EFFICIENT



FULL SURFACE HEATING



ENVIRONMENTALLY FRIENDLY

FUNCTION

The basic requirements for the heater system are:

- Power supply 120VAC single phase 3KW
- Installation area 100ft²
- Schönox HPS ComfortSafe commercial film supplied in roll form 35" wide, residential 30"
- PowerTrack 3.15" wide in roll form
- Electronic Timer Switch Tork® SA300 40A for controlling heaters ON/OFF for commercial kit
- OJ Electronics UDG-4999 thermostat with floor sensor for residential kit
- Power cables, T4, and T5 crimp connectors

Schönox HPS ComfortSafe guarantees fast and direct surface heating of areas. The heating system is designed to operate at maximum steady state temperatures for commercial installation by using a programmable power timer switch ON/OFF control. Residential systems are controlled using a thermostat and floor sensors. For larger areas, more than one system can be utilized.

ELECTRICAL REQUIREMENTS

All electrical projects must be carried out by a certified electrician. All work must conform to the current IEE wiring regulations. The HPS ComfortSafe system must be protected by a dedicated 30 mA RCD at all times. For systems larger than 13 Amps, a suitable protective device that meets the current wiring regulations must be used.

TECHNICAL DATA

- Residential mat width: 30"
- Residential roll length: 40'
- Commercial mat width: 35"
- Commercial roll length: 32'
- Material: Poly vinyl chloride/PETV perforated film matrix with carbon/glass conducting reinforcement fibers
- Supply voltage: 120VAC
- Heater current, commercial: 0.75A/ft. length at 120VAC
- Output power/ft., commercial: 90.7 W/ft.
- Heater current, residential: 0.41A/ft. length at 120VAC
- Output power/ft., residential: 49 W/ft.
- Fuse protection, commercial: 30A flush mounted
- Fuse protection, residential: 16A flush mounted
- Protection measure: F1 circuit breaker 30mA
- Power cable supply, commercial: 10AWG
- Power cable supply, residential: 12AWG
- Heating film maximum length, commercial: 21 ft., residential: 39 ft.
- Copper conducting strip: 0.78 x 0.002" (x2)

PREPARATION

Evaluate and document the planned heating area with an installation drawing. Consult with HPS Schönox technical advisor for heater configuration/layout.

Check that the material is rolled up on its packaging until required for installation to avoid any possible damage, kinks, or tears.

Make sure the surface to which the HPS ComfortSafe system is to be applied is dry, clean, and relatively flat. Irregular surfaces should be avoided.

Particular care must be taken to ensure no pointed objects, such as stones, screw heads, nails, etc., are protruding from the subfloor. The flooring installation company should inspect and approve the substrate preparation before application.

INSTALLATION

Refer to HPS ComfortSafe Manual and installation instructions provided with each commercial and residential kit.