

No Sweat-FX™



Anti-Condensation Paint

PROPERTIES

Colour:

White (Tintable)

Volatile Organic Compounds (VOC's):

10 g/l

Weight Per U.S. Gallon (MIL STD 45662A):

10.5 pounds (1.26 kg/l)

Base:

Latex

Solvent:

Water

Solids (ASTM D2697):

51% by weight

Viscosity (ASTM D562):

115 KU

Application Methods:

Brush, Sprayer

Coverage (RSTM 674):

Wet coverage for smooth non-porous surfaces is 110 sq.ft. per gallon (2.7 sq.m/l), 1/64 in. (0.4 mm or 15 mil) wet film thickness. Coverage rate on porous, profiled, or uneven surfaces will vary.

Service Temperature (RSTM 114):

Continuous service temperature at coated surface
36°F to 220°F (2°C to 114°C)

Wet Flammability (RSTM 687):

No flash to boiling at 212°F (100°C)

Drying Time (RSTM 559):

At 72°F (22°C), 50% RH, 1/64 in. thickness
Touch Dry = 60 minutes, Dried Through = 8 hours
95% Cure = 36 hours

Surface Burning Characteristics

(ASTM E-84, ULC S-102M):

Flame spread = 0, Smoke Developed = 10, at coverage rate 50 sq.ft. per gallon on 1/4" (6.4mm) inorganic cement board. Surface burning characteristics may vary with actual applications or conditions.

RSTM: Robson Standard Test Method

NSX Rev.2.14

DATA

No Sweat-FX is a paint-like coating that prevents condensation from forming on cold and dual temperature surfaces. No Sweat-FX works as a result of a reaction that continually adsorbs and desorbs water vapour through its linked micro-cells. Water vapour in the air continually cycles in and out of the coating and does not build up to form condensation.

No Sweat-FX is easy to apply and touch up like paint and prevents condensation without maintenance. Ideal for cold pipes, walls, ceilings, beams, metal buildings, switch gear enclosures, pumps, water tanks, window frames, HVAC ducts, etc.

No Sweat-FX is acceptable for use in agricultural, dairy, meat, fish, and poultry processing facilities, and military, government, and hospital construction projects.

No Sweat-FX does not contain any asbestos, lead, mercury, or mercury compounds, it is non-carcinogenic, qualifies for LEED credits, and is GreenSpec Listed.

No Sweat-FX adheres well to most materials including steel, PVC, concrete, aluminum, copper, polypropylene, paint, and wood.

No Sweat-FX does not promote the growth of fungus, mould, or mildew. Resistant to mild acids, alkali, detergents, mineral spirits, acetone, esters, potash, and ammonium nitrate. No Sweat-FX does not provide any thermal insulation and is not a vapour barrier.

Special Instructions:

See No Sweat-FX thickness chart for correct thickness to apply. Avoid exposure to cold, freezing, or rain for at least 36 hours. Do not paint or cover No Sweat-FX. Storage and application temperatures should be between 35°F and 135°F (2°C and 57°C).

Before each use stir settled contents back into solution until consistent throughout pail and stir every 30 minutes during use.

Do test application(s) before proceeding with full application to ensure results will be acceptable. This product is for industrial use, indoors and outdoors.



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No Sweat-FX™

Preparation:

1. Before applying No Sweat-FX, ensure surface is clean, dry, and free of liquids, oil, grease, and dirt. Also ensure that surrounding areas are protected from spills and over spray. No Sweat-FX dries quickly and is difficult to remove.
2. Open pail and ensure that dirt or foreign materials do not contaminate contents of pail. **Stir before each use until consistent throughout pail and stir every 30 minutes during use. Heavy particles settle to the bottom of the pail, so please be sure to mix them back into solution.** Do not thin, use full strength. Seal pail with lid when not being used.
3. **Apply a suitable flat primer or paint on metal substrates before applying No Sweat-FX.** This is required because the water vapour in the surrounding air will continually penetrate the coating, hit the substrate, then cycle out. Pollution and chemicals in the air will hit the substrate along with the water vapour. **Primer or paint is not required on metals that would not rust or corrode if they were bare such as galvanized metal, aluminum, and stainless steel. If there is any doubt about rust or corrosion, then apply a suitable flat primer or paint before applying No Sweat-FX.**
4. If the surface is already painted there will likely be some small paint scratches, so apply a suitable flat primer or paint to the entire surface and let it dry before applying No Sweat-FX. If moisture contacts an unpainted paint scratch, rust can develop under No Sweat-FX and cycle out. This rust would discolour the No Sweat-FX but would not affect it's performance.

Application Specification:

1. Apply No Sweat-FX full strength with a brush, roller, or sprayer, or by dipping an object into No Sweat-FX. You will normally achieve 10 to 15 mils thick per coat. Apply when surface is dry and not subject to formation of condensation for at least 36 hours after application is completed, or longer in cool or humid conditions.
2. Consult the No Sweat-FX thickness chart for the minimum thickness to apply. Use a paint thickness gauge to measure and ensure that at least the required thickness has been applied (extra thickness is OK). Also apply to all connecting surfaces that are subject to condensation formation. Let it dry to touch between coats. After all coats are fully dried and cured, check for condensation. If required, apply additional coats of No Sweat-FX as per these instructions.
3. Let it dry to touch between coats, which can take 30 to 120 minutes depending on applied thickness, application method, and ambient conditions. Speed up drying by blowing air and/or applying heat to each coat of No Sweat-FX.
4. **Do not paint, coat, or cover No Sweat-FX. It must be left open to the surrounding air to allow it to work.**
5. If coating gets damaged, remove loose materials and touch up damaged area as per normal application specifications. If coating gets dirty clean with low to medium pressure water hose, scrubbing with a soft bristle brush if required. Then rinse thoroughly with clean water.
6. Visually inspect completed work before moving to next work area. Let No Sweat-FX dry at least 36 hours before exposure to cold temperatures or moisture, or before handling the coated items.

Brush Application:

Use a good quality paint brush suitable for water based paints. Keep your brush loaded and use short strokes. Do not brush out, keep brush loaded at all times. Apply the second coat at right angles to the first coat. This will make a smoother finish and ensure the surface is more evenly coated. Lightly tapping or vibrating the painted surface right after application of No Sweat-FX can help make a smoother finish.

Spray Application:

Use an air assisted airless sprayer with 19/1000 to 39/1000 variable spray tip, 75 to 100 psi, and about 15:1 ratio at gun. To avoid premature equipment wear, use corrosion resistant pumps and fittings.

Clean Up:

Clean up equipment and work area with water without delay before No Sweat-FX is dry. After dried, scrape or sand off the excess, or use aromatic solvent such as toluene or xylene as per solvent use regulations.



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