



Penncoat™ 600 Membrane

SELECTION & SPECIFICATION DATA

Type	Reinforced rubberized asphalt
Description	Penncoat 600 Membrane is a self-adhesive, peel-and-stick 60 mil (1.5 mm) fiberglass reinforced, rubberized asphalt sheet membrane with integrated "MYLAR" top film and heat sealed and taped seams. It is designed for use over primed concrete, block, asphalt, steel, or wood substrates.
Uses	<ul style="list-style-type: none">• Liquid barrier under acid-resistant brick or potassium silicate concrete• Liquid barrier between concrete and underlayment on elevated tile-lined floors
Features	<ul style="list-style-type: none">• Sheet assures uniform barrier thickness• No liquid measuring or mixing• Shelf stable• Self-adhering sheet provides fast turnaround• Resistant to solvents and acid/solvent mixtures• Low permeability• Suitable for horizontal or vertical surfaces• Bridges hairline cracks in concrete
Limitations	Not for use beyond its chemical resistance capabilities. Consult Armor with specific questions.

INSTALLATION GUIDANCE

Reference Specifications	CES-144 Penncoat 600 Membrane installation specification
Installation Conditions	The substrate and air temperatures should be at least 40°F (4.4°C) and rising and at least 5°F (3°C) above the dew point during Penncoat 601 Primer application and drying. Sheet and primer material temperatures between 50°F (10°C) and 95°F (35°C) assure optimum handling.
Installation	<p>Stir Penncoat 601 Primer then apply to smooth, prepared substrate with a stiff brush or short nap roller. Brush out puddles to assure uniform drying. Allow primer to dry tack free, about 60 minutes at 70°F (21°C). Primer may take longer to dry in cool, damp, or still conditions. If Penncoat 600 Sheet will not be installed within 24 hours of primer drying, reprime.</p> <p>Penncoat 600 Sheet and Penncoat 602 Tape cannot be repositioned once adhered. Dry fit and trim sheets prior to installation.</p> <p>Unroll Penncoat 600 Sheet and peel the release film from the underside to expose the tacky surface as it is pressed to the substrate. Use a hard roller to seat the membrane and exclude trapped air.</p> <p>Butt the sheets together at seams, melt the seams with a propane torch using low-temperature yellow flame then apply Penncoat 602 Tape over exposed edges.</p>
Cleanup	MEK or lacquer thinner (for primer)
SAFETY	
Safety	Mixes and applications of Penncoat 601 Primer present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.
Ventilation	Provide thorough air circulation during and after primer application until it dries when used in enclosed areas.



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PACKAGING, ESTIMATING & HANDLING

Product	Code	Packaging
Penncoat 600 Sheet	23854	4 ft x 50 ft (200 ft ²) roll
Penncoat 601 Primer	23855	4 x 1-gal can case
Penncoat 602 Tape	29613	2-inch (50 mm) x 50 ft (15 m) roll

Theoretical Coverage

Primer: 250 ft²/gal (6.1 m²/L)
Sheet: 200 ft² (18.6 m²)/roll
Tape: 54 ft (16.5 m)/sheet plus more for cuts

Storage & Shelf Life

Maintain products in original packaging and sealed until ready for use. Estimated shelf life is 18 – 24 months when stored in a dry area at 70°F (21°C). Actual shelf life may vary with storage conditions.

If there is any question with respect to the quality of the components, consult with Armor.

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value
Color	Black
Weight	0.3 lb /ft ² (1.5 kg/m ²)
Water absorption, ASTM D1228, 72 hours	0.25% maximum
Permeance, ASTM E96, Method B	0.05 U.S. perms (8.7 x 10 ⁻⁴ ng/s/m ² /Pa) maximum
Puncture resistance, ASTM E154	40 lb minimum
Service temperature	-20°F (-29°C) to 200°F (93°C)

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