

DURABLE EXTERIOR PVC SOLUTIONS FOR BUILDING PRODUCTS

PUSH EXTERIOR PVC FURTHER.



Deeper colors. Proven outdoor durability. A PVC-based capstock engineered for demanding exterior applications.

Exterior building products put competing demands on the material system. Darker colors need to maintain their appearance through years of outdoor exposure. Surface aesthetics have to meet the design intent, while the capstock still needs to process efficiently and integrate with the PVC construction underneath it.

eCap™ ePVC is Americhem's engineered rigid PVC capstock solution for these challenges. ePVC combines enhanced weathering performance with deep color capability and the processing advantages of a PVC-based system.



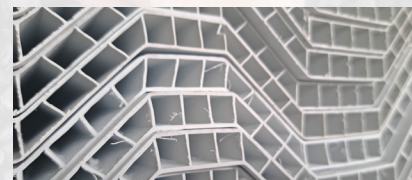
Deep Color and Appearance

Support deep browns and blacks while maintaining long-term outdoor performance. Customize gloss, embossing, and compatible streaker technology for realistic wood-like aesthetics.



Processing Flexibility

Run on existing rigid PVC tooling with lower processing temperatures, quick changeovers, and no pre-drying required.



PVC-To-PVC Construction

Seamless PVC bonding enables constructions incorporating recycled PVC core content.

COMPOUNDING YOUR OWN RIGID PVC?

Ask about ValuPak.

ValuPak is the active ingredient technology used in ePVC, supplied as a one-pack powdered additive for incorporation into customer-compounded rigid PVC systems. It provides a path to enhanced long-term weathering performance while allowing manufacturers to maintain control of their existing PVC formulation and compounding process.

WHAT THE TESTING SHOWED:

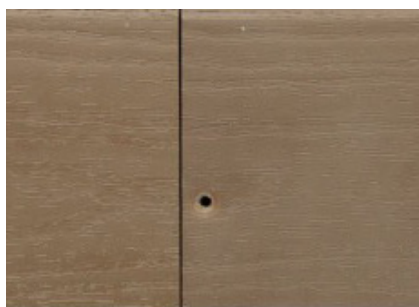
After 25 months of Ohio outdoor exposure, ValuPak reduced color change compared with standard PVC controls in both brown and gray formulations.

Brown: ΔE^* 1.5 with ValuPak vs. 4.9 PVC control

Gray: ΔE^* 1.2 with ValuPak vs. 6.6 PVC control

HOW DOES EXTERIOR PVC HOLD UP OVER TIME?

Years of outdoor exposure put exterior color to the test. In Ohio testing, ePVC maintained minimal visual color change after 63 months in dark brown and 80 months in gray.



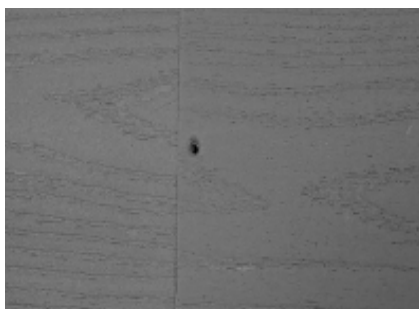
Control

63 Months Ohio

Dark Brown ePVC

63-month Ohio outdoor exposure

After 63 months, dark brown ePVC showed minimal visual color change, with a total color change of ΔE^* 0.36.



Control

80 Months Ohio

Gray ePVC

80-month Ohio outdoor exposure

After 80 months, gray ePVC showed minimal visual color change, with a total color change of approximately ΔE^* 0.70.

WHY AMERICHEM

- Exterior PVC formulation and weathering expertise
- Custom color development and appearance control
- Processing support for existing rigid PVC systems

LET'S BUILD THE NEXT EXTERIOR PROFILE.

Bring us your color target, exposure conditions, surface requirements, profile construction, and processing parameters. Americhem works with your development team to engineer and validate a material system around the demands of the application.

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