



CONCRETE PERFORMANCE

Overlay technology for better finish, greater savings



Enhanced Performance Overlays for Concrete Forming


BUILD SMART. POUR SMARTER.

Arclin's EPIC® suite of concrete-forming overlays have set the standard for extending panel life, producing high quality concrete finishes, and saving money over traditional raw plywood and other concrete forming materials.

The North American leader in performance-enhancing overlays for the building industry, Arclin combines its world-class resin technologies and wood fiber expertise to produce overlay papers that perform — durably and consistently — regardless of concrete mix and even weather conditions.

And through the reduction of jobsite waste and the efficient use of resources, EPIC overlays are an environmentally sustainable choice for the jobsite.

THE BENEFITS OF EPIC®

- Significantly extend panel life over non-overlaid BB plyform panels, saving money and reducing jobsite waste
- Provide enhanced concrete surface quality, regardless of the mix, with multiple finish options
- Manufactured to ensure product durability and consistency
- Significantly cut labor and materials costs
- E-Gen®-designated for environmental sustainability 

IDEAL FOR A VARIETY OF CONSTRUCTION ENVIRONMENTS

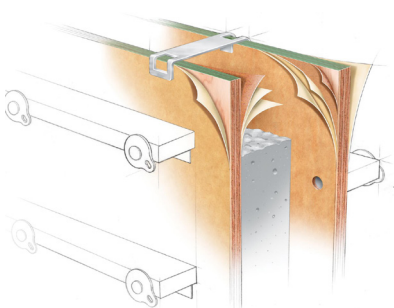
- Commercial
- Infrastructure
- Mixed use and multifamily
- Residential

**MADE IN
NORTH
AMERICA**

Arclin is a leader in engineering surface-enhancing overlays that improve the performance of wood-based products.

Arclin®

Talk to the experts at Arclin or to your preferred panel manufacturer or distributor to determine the right EPIC overlay for your next job.



HOW THEY WORK

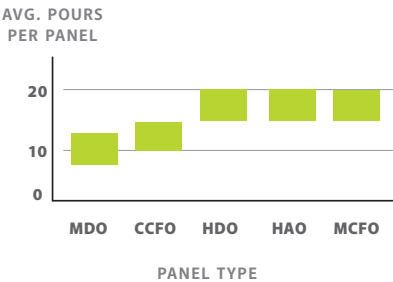
Arclin's EPIC concrete forming overlays are made of kraft paper impregnated with a proprietary phenolic resin that shields the plywood from very caustic concrete water. Used without an overlay, plywood absorbs the high pH water, causing the wood fibers to swell and destroying the panel within just a few pours. The EPIC overlay impedes water saturation, resulting in a much better looking finished concrete pour — and significantly increasing the number of pours per panel.

Concrete forming overlays are added to plywood panels during manufacturing.

Product	Concrete Finish ¹	Common Applications ²	Description / Attributes ³	Pours per Panel ⁴
EPIC® Medium Density Overlay 3333 (MDO)	Matte	For concrete that will be coated, painted or exposed	Minor grain and no wood characteristic transfer with hardwood face substrate Moderate grain and wood characteristic transfer with fir face substrate.	8 – 10
EPIC® Enhanced Flow Medium Density Overlay 3369 (Natural Kraft) and 3379 (Green) (MDO)	Smooth, Matte	For concrete that will be coated, painted or exposed	Enhanced alkalinity resistance Minor grain and wood characteristic transfer on hardwood face. Moderate grain and wood characteristic transfer with fir face substrate	8 – 12
EPIC® Coated Concrete Forming Overlay 4098/4097 (CCFO)	Semi-gloss	For high alkaline concrete mixes	Specially formulated phenolic coating for high alkaline concrete mix designs	10 – 15
EPIC® High Density Overlay 2252/2253 (HDO)	Smooth, Low- & Semi-gloss	For HDO conform where reuse is important	Available with both standard & premium resin contents depending on forming system and reuse requirements Minor grain and wood characteristic transfer with fir substrate Minor grain and no wood characteristic transfer with hardwood substrate	15 – 20
EPIC® High Alkaline Overlay 2600 (HAO)	Semi-gloss/high-gloss (based on pressing surface condition)	For “aggressive” high alkaline concrete mix designs	Minor grain and no wood characteristic transfer with hardwood face substrate Minor grain and wood characteristic transfer with fir face substrate	15 – 20

- Concrete finish affected by various factors such as panel reuses, job site cleaning & handling practices, and type of press finish used during panel manufacturing (e.g., polished chrome platen, aluminum caul, etc.). HDO, HAO and CCFO products only.
- Loose panel forming, gang forms and engineered forming systems will affect panel selection.
- Overlay performance and attributes are significantly affected by the choice of substrate. Rough veneer will transfer through all overlays. If architectural finishes are required, appropriate “mock-up” pours are critical to ensure correct panel selection.
- The number of reuses will be affected by panel substrate quality, concrete mix designs, construction/jobsite techniques and practices, form release type, and by the forming system used (loose forms, gang forms, engineered systems, etc.).

HOW THEY STACK UP



WHAT TO KNOW

To select the right EPIC® overlay and ensure the best results, you'll need to determine:

- Concrete mix design** – water/cement ratios, chemical admixtures, fly ash, SCC mixes
- Surface requirements** – coated concrete, exposed, architectural finish, matte, gloss, etc.
- Forming systems to be used** – loose, jobsite built, gang forms, engineered systems
- Reuse requirements** – based on all of the above, together we'll determine the realistic and achievable reuse capacities



Arclin's EPIC® suite of enhanced performance concrete forming products:

EPIC® Medium Density Overlay 3333 (MDO)

- Highly chemical resistant
- Extremely durable even when used with aggressive concrete mixes
- Water resistance enhances form-oil performance in the field
- Stronger internal bonds — faster, easier and more reuses in the field
- Has a smooth, matte concrete finish
- Features Arclin's Cross-Cut® advantage

EPIC® Medium Density Overlay 3323 (MDO)

- Stronger internal bonds – faster, easier and more reuses in the field
- Enhanced cushion sheet performance in HDO/HAO panel constructions
- Has a smooth, matte concrete finish
- Features Arclin's Cross-Cut® advantage

EPIC® Enhanced Flow Medium Density Overlay 3369 (Natural Kraft) and 3379 (Green) (MDO)

- Stronger internal bonds — faster, easier and more reuses in the field
- Has a smooth, matte concrete finish
- Features Arclin's Cross-Cut® Advantage

EPIC® High Alkaline Overlay 2600 (HAO)

- For aggressive, high alkaline concrete mix designs
- Can provide semi- and high-gloss finish in combination with appropriate substrate and pressing surface

EPIC® Coated Concrete Forming Overlay 4098/4097 (CCFO)

- Coated with alkaline resistant phenolic resin for improved caustic resistance
- Can provide high quality concrete finish in combination with appropriate substrate and pressing surface
- Features Arclin's Cross-Cut® advantage

EPIC® High Density Overlay 2252/2253 (HDO)

- Available with standard and premium resin contents
- For smooth, low- and semi-gloss finishes
- Can provide architectural finish in combination with appropriate substrate, pressing surface and multi-paper lay up



HEADQUARTERS

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Portland, OR
Springfield, OR
Tacoma, WA
Toledo, OH
Winnfield, LA

CANADA

Cobourg, ON
Ste-Thérèse, QC



E-Gen® Advantage

Arclin's EPIC suite of concrete forming overlays is E-Gen-designated for its sustainable performance — for jobsite waste reduction, its use of sustainably harvested papers, and potential contributions to LEED Credits for waste reduction and materials re-use.

