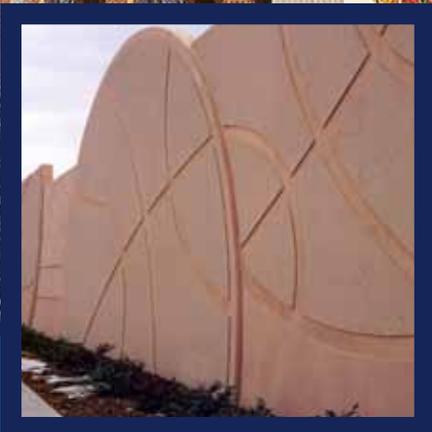
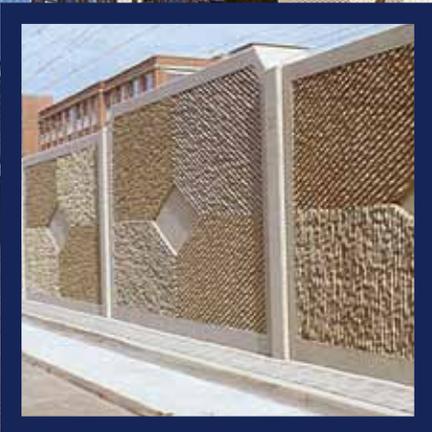


American Formliners

Formliners





Application – precast, tilt-up, or cast-in-place

Requirements for Re-use – We can supply cost-effective, single-use plastic liners or premium, multi-use elastomeric formliners specific to your application.

Rate-of-Pour – The typical liner's strength is five feet per hour. We can recommend higher strength materials if your application requires this.

Design and Specifications

Finished Texture - Detailed finishes are successfully accomplished with a flexible, high grade formliner material.

Design Depth - High relief designs can be reproduced successfully and cost-effectively.

Design Shape - Geometric designs can be reproduced using HIPS, ABS, PE or PPE liners. Undercut designs will be successfully replicated using a highly flexible liner material such as urethane.

Design Specifications - formliners are often specifically designed to meet your particular job requirements.

Budget Specifications

Project Budget –We will work to fit your budget and timelines!

Labor Budget – Our consultants can help avoid unnecessary job site labor costs such as trimming, material backing or sacking/patching.

Attachment to Formwork

Formliners can be used in precast, tilt-up or cast-in-place applications. Single-use HIP is most frequently used for tilt-up applications and can be installed using Tek drywall screws or pneumatic staplers, spacing should be approximately 6" to 12" on center around the perimeter and 18" to 24" through the center. Double sided tape, "Formica Top" adhesive, heavy duct tape or silicone caulk are all the common ways to attach formliners. Make sure all surfaces are clean, dry and free of dust and debris. Formliner PE & PPE liners for precast use are attached from the back with 3/8" bolts when optional T-nuts are installed.

Form Placement

It is important that forms for architectural concrete be aligned and in common planes. A "stack up" of manufacturing tolerances can result in forms being in different planes, even when properly aligned. This creates a noticeable "step" in the finished surface, particularly with shallow formliner patterns.

Rustication

Reveals or rustications are recommended at butted joints so it will allow the features of the liner to appear continuous. All butted joints should be taped and/or caulked to reduce grout leakage.

Form Release

Formliners should be sprayed with form release before each use and within the same day that concrete is placed. Apply with low flow, wide angle, flat spray nozzle and wipe with a cloth to insure a complete even coat to the entire formliner surface.

Add Visual Impact to the Architectural Concrete

THERMOFORM

HIPS High Impact Polystyrene

ABS Acrylonitrile Butadiene Styrene

ABSH Acrylonitrile Butadiene Styrene Heavy

ECONOMIC FORMLINERS

HIPS Formliners can be used to provide a textured concrete surface in a limited application at an affordable price. Single use only.

ABS Formliners exhibit excellent impact resistance and contain an ultraviolet shielding compound, which reduces the damaging effects of sunlight. Medium re-use formliner.

ABSH Formliners exhibit excellent impact resistance and contain an ultraviolet shielding compound, which reduces the damaging effects of sunlight. Heavy re-use formliner.

ELASTOMERIC

PE Polyurethane Elastomer

PPE Premium Polyurethane Elastomer

PREMIUM MULTI-USE FORMLINERS

These are rigid plastic liners, which are ideal for tilt-up or cast-in-place applications.

PE Formliners combine great resilience and high tensile strength. Heavy re-use formliner.

PPE Formliners provide superior toughness and wear resistance so the reproduction of even the most difficult undercut and complex designs are consistent, even after many re-uses.

HIPS

High Impact Polystyrene
[single use only]

Properties	Rating	ASTM
IZOD Impact, ft.-lb/in.		
@ 70°F	2.0	D256
@ 0°F	1.3	D256
Tensile Strength	3,700 psi	D638
Heat Deflection	188	D695
Vicat Softening	212	D1525
Wt.lb./sq.ft.		
.070 mil	.449	
.090 mil	.577	
.110 mil	.705	
.130 mil	.833	
.150 mil	.966	

ABS

Acrylonitrile-butadiene styrene
[multiple use up to 10 times]

Properties	Rating	ASTM
IZOD Impact, ft.-lb/in.		
@ 73°	5.6	D256
@ 0°	1.9	D256
Tensile Strength, 73°F, psi		
Yield	5,300	D638
Modulus	330,000	D638
Flexural Strength 73°F, psi		
Yield	9,300	D790
Modulus	325,000	D790
Heat Deflection		
@ 264 psi	199	D648
@ 66 psi	211	D648
Hardness (Rockwell R) 73°F 105		D785
Falling Dart Impact, ft.-lb.		
@ 73°F	23	
@ 40°F	14	
Specific Gravity	1.05	D792
Wt. lb./sq.ft.		
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	

PE

Polyurethane Elastomer
[multiple use 40-50 times]

Properties	Rating	ASTM
Shore A Hardness	45-50	D2240
Tear Strength, PLI	55	D624
Tensile Strength, psi	500	D638 (D412)
Ultimate Elongation	240%	D638 (D412)

PPE

Premium Polyurethane Elastomer
[multiple use 100+ times]

Shore Hardness	60-65	D2240
Tear Strength, PLI	120	D624
Tensile Strength, psi	1150	D638 (D412)
Ultimate Elongation	1200%	D638 (D412)

Manufacturing Tolerances @70°F

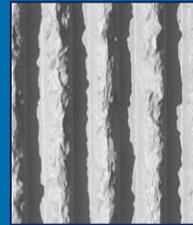
Length: +1" to 2", -0" (shipped long to allow field trimming)

Width: ± 1/4"

Thickness @ edges ± 1/16" (except form liners over 1" thickness)

Make an *Impression* in Your Concrete!

**Professional Formliners for the Construction Industry.
Over 100 quality patterns & textures to choose from!**



Quality and Selection

Wide selection of formliners. We offer over a hundred standard patterns. If looking for a specific pattern, our craftsman can design and manufacture to your specifications. Our plastic liners are easy to install and strip.

Flexibility

Our liners can be detailed for most pre-cast, tilt-up or cast-in-place concrete jobs. We offer five different material compositions, from single use high impact polystyrene plastic to our 100+ reuse premium polyurethane elastomer liners.

One-Stop Convenience

American Formliners provides you with cost and labor savings, while giving you the highest quality products available.

Cost Effectiveness

Let our experienced staff work for you! We rely on our extensive knowledge and skills to create the best form liner for you and your budget. Let our consultants offer you ways to save money on labor and materials and answer any technical questions that you may have.

**American
Formliners**

Office: 1567 Frontenac Road • Naperville, IL 60563 • Tel. (630) 615-2170 • Fax (630) 615-2182

Plant: 645 Airport Road • Centralia, IL 62801 • Tel. (877) 533-5842 • Fax (618) 533-5840

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