

# American Formliners

(Architectural Concrete Formliners)

Pattern: 1288

Random Dry  
Stack

## Technical Data

### Stone 1288 HIPS

High Impact Polystyrene Plastic

Properties	Rating	ASTM
IZOD Impact, ft.-lbs./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	

### Stone 1288ABS

Acrylonitrile-butadiene styrene

IZOD Impact, ft.-lbs./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	

### Stone 1288 PE

Polyurethane Elastomer

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

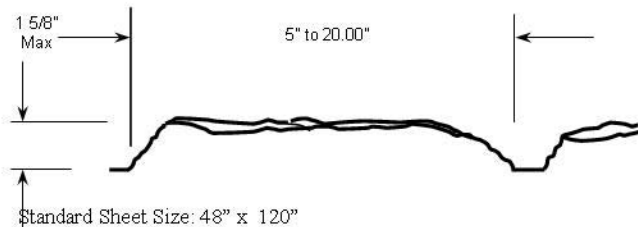
### Stone 1288 PPE

Premium Polyurethane Elastomer

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)



Stone Size: 2 3/4" to 6 5/8" Height

5" to 20" Length

Grout Lines: 3/8" - 1 5/8" - typical 3/4"

**Attachment to Formwork** Thermoform American 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 common ways to attach form liners. Make sure all surfaces are clean, dry and free of dust and debris. American Formliner PE & PPE liners 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 Uni-Formliner patterns.

**Rustication** Revels 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** American Formliners should be sprayed with Universal Form Clamp Co. Maximum Plus Elastomeric 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 form liner surface.