









Stone Patterns



Stone Patterns

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Stone 1200 - Light/Medium Sandblast



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release

Formliners should be sprayed with a premium form release before each use and within the same day concrete is placed. Form release should be applied with a low-flow, wide-angle, flatspray nozzle and wipe with a cloth to insure an evenly-coated formliner surface. Formliners should always be covered when not in use.

	mpact Polystyrene le use only)	
Properties	Rating	ASTM
IZOD Impact, ftlb/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 - Acrylonitr	ile-Butadiene Styre	ne
(Multiple use	es up to 10 times)	
	Rating	ASTM
IZOD Impact, ftlb/in.		
@73°	5.6	D256
@0°	1.9	D256
Tensile Strength	5,300 psi	D638
Heat Deflection	100	D040
@264 psi	199	D648
@66 psi	211	D648
Falling Dart Impact, ftlb.	00	
@73°F @40°F	23 14	
Gravity	14	D792
Wt. lb./sq.ft.	1.05	DISZ
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	
	ethane Elastomer s up to 40-50 times)	
		A 0.714
Properties Shore A Hardness	Rating	ASTM D2240
	45-50	D2240 D624
Tear Strength, PLI Tensile Strength, psi	55 500	D624 D638
Ultimate Elongation	40%	D638
Citimate Liongation	-U /0	0000
PPE - Premium P	olyurethane Elasto	mer
	s up to 100+ times)	
Properties	Rating	ASTM
Shore A Hardness	60-65	D2240

PropertiesRatingASTMShore A Hardness60-65D2240Tear Strength, PLI120D624Tensile Strength, psi1150D638Ultimate Elongation1200%D638

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: $\pm 1/16$ " at edge (except over 1" thick)



Stone 1201 - Heavy Sandblast



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

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HIPS - High Impact Polystyrene		
	(Single use only)	
Properties	Rating	ASTM
IZOD Impact, ftlb/ii	n	
@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	
450 4	mile alterity Destantions (D 4
	rylonitrile-Butadiene	
	Itiple uses up to 10 time	•
Properties	Rating	ASTM
IZOD Impact, ftlb/ii		DOCO
@73°	5.6	D256
@0° Tanaila Stranath	1.9	D256
Tensile Strength Heat Deflection	5,300 psi	D638
	osi 199	D648
@264 @66 ps		D648
U 1		D040
Falling Dart Impact, @73°F	23	
@40°F		
Specific Gravity	1.05	D792
Wt. lb./sq.ft.	1.00	DIGE
.070 m	il .451	
.090 m		
.110 mi		
.130 m		
.150 m		
PE - Polyurethane Elastomer		
(Multiple uses up to 40-50 times)		
Properties	Rating	ASTM
Shore A Hardness	45-50	D2240
Tear Strength, PLI	55	D624
Tensile Strength, ps	i 500	D638

PPE - Premium Polyurethane Elastomer (Multiple uses up to 100+ times)

40%

D638

(
Rating	ASTM	
60-65	D2240	
120	D624	
1150	D638	
1200%	D638	
	Rating 60-65 120 1150	

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Ultimate Elongation

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: ± 1/16" at edge (except over 1" thick)





Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

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Form Release



			1 N
	Impact Polystyren	9]
	5		
Properties	Rating	ASTM	
IZOD Impact, ftIb/in.	2.0	DOCO	
@70°F	2.0 1.3	D256	
@0°F	3,700 psi	D256 D638	
Tensile Strength Heat Deflection	3,700 psi 188	D695	
Vicat Softening	212	D1525	
Wt.lb./sq.ft.	212	D1525	
.070 mil	.449		
.090 mil	.577		
.110 mil	.705		
.130 mil	.833		
.150 mil	.966		
	1000		
	rile-Butadiene Sty	rene	
	ses up to 10 times)		
	Rating	ASTM	
IZOD Impact, ftlb/in.		0050	
@73°	5.6	D256	Reusa
@0° Tanaila Otranath	1.9	D256	
Tensile Strength Heat Deflection	5,300 psi	D638	and ex
	199	D648	availa
@264 psi @66 psi	211	D648	
Falling Dart Impact, ftlb.	211	D040	Rate-
@73°F	23		concre
@40°F	14		
Specific Gravity	1.05	D792	materi
Wt. lb./sq.ft.	1.00	Broz	
.070 mil	.451		Attacl
.090 mil	.580		Formli
.110 mil	.705		mount
.130 mil	.833		
.150 mil	.961		materi
			materi
PE - Polyu	rethane Elastomer		subse
(Multiple use	s up to 40-50 times)	and si
Properties	Rating	ASTM	grout I
Shore A Hardness	45-50	D2240	grout
Tear Strength, PLI	55	D624	
Tensile Strength, psi	500	D638	Aligni
Ultimate Elongation	40%	D638	The fo
			A "sta
	Polyurethane Elast		finishe
(Multiple use	es up to 100+ times)		
Properties	Rating	ASTM	patteri
Shore A Hardness	60-65	D2240	to sim

(Multiple uses up to root unles)		
Properties	Rating	ASTM
Shore A Hardness	60-65	D2240
Tear Strength, PLI	120	D624
Tensile Strength, psi	1150	D638
Ultimate Elongation	1200%	D638

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: ± 1/4"

Thickness: ± 1/16" at edge (except over 1" thick)

Custom size: At customer request, additional charge.



Stone 1203 - 1-1/2" Random Ashlar Stone

Application Summary

ability - Single-use HIPS plastic, medium-use ABS plastic, extended-use PE and PPE elastomeric materials are able for your specific concrete forming application.

of-Pour – Formliners are typically designed to withstand ete placement of five feet per hour, but there are other rials/methods available if an application exceeds this limit.

hment

liners are used in cast-in-place, precast or tilt-up. All iting surfaces should be clean and dry. ABS and HIPS rials can be installed using screws or staples. PE and PPE rials are typically plywood-mounted with adhesive and equently bolted to formwork. Adhesive tapes, foam tapes ilicone caulks are used at joints and seams to minimize leakage.

ment

ormwork must be properly aligned and in common planes. ick up" of tolerances can result in a noticeable "step" in the ed concrete surface, especially with "shallow" formliner rns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release



Stone 1204 - Dry Stack

0.50" Variation In

	Impact Polystyrene gle use only)	
Properties	Rating	AS
IZOD Impact, ftlb/in.		
@70°F	2.0	D2
@0°F	1.3	D2
Tensile Strength	3,700 psi	D6
Heat Deflection	188	D6
Vicat Softening	212	D1
Wt.lb./sq.ft.	212	
•	440	
.070 mil .090 mil	.449	
	.577	
.110 mil	.705	
.130 mil	.833	
.150 mil	.966	
	rile-Butadiene Styre	ne
· ·	ses up to 10 times)	
Properties IZOD Impact, ftlb/in.	Rating	AS
@73°	5.6	D2
-		
@0° Tanaila Otranath	1.9	D2
Tensile Strength	5,300 psi	D6
Heat Deflection	400	D 0
@264 psi	199	D64
@66 psi	211	D64
Falling Dart Impact, ftlb.		
@73°F	23	
@40°F	14	
Specific Gravity	1.05	D79
Wt. lb./sq.ft.		
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	
PE - Polyu	rethane Elastomer	
	es up to 40-50 times)	
Properties	Rating	AS
Shore A Hardness	45-50	D22
Tear Strength, PLI	45-50 55	D24
Tensile Strength, psi Ultimate Elongation	500 40%	D63
-		
	Polyurethane Elastor es up to 100+ times)	mer
Properties	Rating	AS
	60-65	D22
Shore A Hardness	120	D2/
Shore A Hardness Tear Strength PLL	120	D6
Tear Strength, PLI	1150	1/0.
Tear Strength, PLI Tensile Strength, psi	1150	
Tear Strength, PLI	1150 1200%	
Tear Strength, PLI Tensile Strength, psi Ultimate Elongation		
Tear Strength, PLI Tensile Strength, psi Ultimate Elongation Tolera	1200%	D6
Tear Strength, PLI Tensile Strength, psi Ultimate Elongation Tolera	1200% ances @ 70F	

Thickness: $\pm 1/16$ " at edge (except over 1" thick)

Custom size: At customer request, additional charge.

Stone Height Maximum Relief 2.50"



Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

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Attachment

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Alignment

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Form Release



Stone 1205 - 3/4" Aggregate





Application Summary

Reusability - Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour - Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

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Alignment

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Form Release

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(Sing	gle use only)	
Properties	Rating	ASTM
IZOD Impact, ftlb/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 - Acrylonit	rile-Butadiene Styr	ano
-	ses up to 10 times)	5110
Properties	Rating	ASTM
IZOD Impact, ftlb/in.	Rating	ACTIN
@73°	5.6	D256
@0°	1.9	D256
Tensile Strength	5,300 psi	D638
Heat Deflection	-,	
@264 psi	199	D648
@66 psi	211	D648
Falling Dart Impact, ftlb.		
@73°F	23	
@40°F	14	
Specific Gravity	1.05	D792
Wt. Ib./sq.ft.		
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	
PE - Polvu	rethane Elastomer	

HIPS - High Impact Polystyrene

•	,
Rating	ASTM
45-50	D2240
55	D624
500	D638
40%	D638
	45-50 55 500

PPE - Premium Polyurethane Elastomer (Multiple uses up to 100+ times)

Properties	Rating	ASTM
Shore A Hardness	60-65	D2240
Tear Strength, PLI	120	D624
Tensile Strength, psi	1150	D638
Ultimate Elongation	1200%	D638

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: ± 1/4"

Thickness: ± 1/16" at edge (except over 1" thick)



Stone 1206 - 3/4" Deep Fractured Concrete



Rate-of-Pour - Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

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HIPS - High Impact Polystyrene (Single use only)			
	Rating	ASTM	
IZOD Impact, ftlb/in.	Rating	AUTIM	
@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		
	rile-Butadiene Styre	ene	
	ses up to 10 times)		
Properties	Rating	ASTM	
IZOD Impact, ftlb/in.		D a - a	
@73°	5.6	D256	
@0°	1.9	D256	
Tensile Strength	5,300 psi	D638	
Heat Deflection	100	D040	
@264 psi	199	D648	
@66 psi	211	D648	
Falling Dart Impact, ftlb.	00		
@73°F	23		
@40°F	14	D-700	
Specific Gravity Wt. Ib./sq.ft.	1.05	D792	
.070 mil	.451		
.090 mil	.580		
.110 mil	.705		
.130 mil	.833		
.150 mil	.961		
.130 11			
	ethane Elastomer		
(Multiple use	s up to 40-50 times)		
Properties	Rating	ASTM	
Shore A Hardness	45-50	D2240	
Tear Strength, PLI	55	D624	
Tensile Strength, psi	500	D638	
Ultimate Elongation	40%	D638	
-			

PPE - Premium Polyurethane Elastomer (Multiple uses up to 100+ times)

Properties	Rating	ASTM
Shore A Hardness	60-65	D2240
Tear Strength, PLI	120	D624
Tensile Strength, psi	1150	D638
Ultimate Elongation	1200%	D638

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: ± 1/4"

Thickness: ± 1/16" at edge (except over 1" thick)



Stone 1207 - 1" Quartz





Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

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HIPS - High Impact Polystyrene (Single use only)		
Properties	Rating	ASTM
IZOD Impact, ftlb/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 - Acrylonit	rile-Butadiene Styre	ene
	ses up to 10 times)	
Properties	Rating	ASTM
IZOD Impact, ftlb/in.		
@73°	5.6	D256
@0°	1.9	D256
Tensile Strength	5,300 psi	D638
Heat Deflection	0,000 pc.	2000
@264 psi	199	D648
@66 psi	211	D648
Falling Dart Impact, ftlb.	2	2010
@73°F	23	
@40°F	14	
Specific Gravity	1.05	D792
Wt. lb./sq.ft.	1.00	0152
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	
.150 mil	.501	
PE - Polyu	rethane Elastomer	
	es up to 40-50 times)	
		ACTM
Properties	Rating	ASTM D2240
Shore A Hardness	45-50	D2240
Tear Strength, PLI	55	D624
Tensile Strength, psi	500	D638
Ultimate Elongation	40%	D638
	Polyurethane Elasto	mer
(iviuitiple use	es up to 100+ times)	

(Multiple uses up to 100+ times)			
Properties	Rating	ASTM	
Shore A Hardness	60-65	D2240	
Tear Strength, PLI	120	D624	
Tensile Strength, psi	1150	D638	
Ultimate Elongation	1200%	D638	

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: ± 1/16" at edge (except over 1" thick)



Stone 1209 - 1-1/8" Fractured Granite

 $\sim\sim\sim$	\sim	$\sim \sim$
	~	-

HIPS - High Impact Polystyrene (Single use only)			
Properties	Rating	ASTM	
IZOD Impact, ftlb/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 - Acrylonit	rile-Butadiene Styr	ene	
	ses up to 10 times)		
Properties	Rating	ASTM	
IZOD Impact, ftlb/in.			
@73°	5.6	D256	
@0°	1.9	D256	
Tensile Strength	5,300 psi	D638	
Heat Deflection			
@264 psi	199	D648	
@66 psi	211	D648	
Falling Dart Impact, ftlb.			
@73°F	23		
@40°F	14		
Specific Gravity	1.05	D792	
Wt. Ib./sq.ft.			
.070 mil	.451		
.090 mil	.580		
.110 mil	.705		
.130 mil	.833		
.150 mil	.961		
PE - Polyu	rethane Elastomer		
(Multiple use	es up to 40-50 times)		
	Rating	ASTM	
Shore A Hardness	45-50	D2240	
Tear Strength, PLI	55	D624	
Tensile Strength, psi	500	D638	
Ultimate Elongation	40%	D638	
	.		
PPE - Premium Polyurethane Elastomer			
(Multiple use	es up to 100+ times)		
Properties	Rating		
Shoro A Hardnoss	60.65	D2240	

Properties	Rating	ASTM
Shore A Hardness	60-65	D2240
Tear Strength, PLI	120	D624
Tensile Strength, psi	1150	D638
Ultimate Elongation	1200%	D638

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: ± 1/16" at edge (except over 1" thick)

Custom size: At customer request, additional charge.



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release



Stone 1210 - London Cobble Stone

	h Impact Polystyı ngle use only)	ene
Properties	Rating	ASTM
ZOD Impact, ftlb/in.		
@70°F	2.0	D256
@0°F	1.3	D256
ensile Strength	3,700 psi	D638
leat Deflection	188	D695
icat Softening	212	D1525
/t.lb./sq.ft.		
.070 mil	.449	
.090 mil	.577	
.110 mil	.705	
.130 mil	.833	
.150 mil	.966	
	itrile-Butadiene \$ uses up to 10 time	
roperties	Rating	ASTM
ZOD Impact, ftlb/in.	5.0	DOFO
@73°	5.6	D256
@0°	1.9 5.200 poi	D256
ensile Strength leat Deflection	5,300 psi	D638
@264 psi	199	D648
@66 psi	211	D648
alling Dart Impact, ftlb.		D040
@73°F	23	
@40°F	14	
pecific Gravity	1.05	D792
/t. lb./sq.ft.	1.00	0152
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	
	urethane Elaston ses up to 40-50 tin	
roperties	Rating	ASTM
hore A Hardness	45-50	D2240
ear Strength, PLI	55	D624
ensile Strength, psi	500	D638
Itimate Elongation	40%	D638
	Polyurethane El	
	ses up to 100+ tim	
Properties	Rating	ASTM
hore A Hardness	60-65 120	D2240
ear Strength, PLI	120	D624
ensile Strength, psi	1150	D638
Itimate Elongation	1200%	D638
	erances @ 70F	
	erns, all materials)
tandard size: 4'x10'		
ength: +1" to 2", -0" (shiµ /idth: ± 1/4"	oped long for field	trimming)
	e (except over 1" t	

Thickness: ± 1/16" at edge (except over 1" thick)

Custom size: At customer request, additional charge.



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

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Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release



Stone 1212 - Oregon Basalt



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release

Formliners should be sprayed with a premium form release before each use and within the same day concrete is placed. Form release should be applied with a low-flow, wide-angle, flatspray nozzle and wipe with a cloth to insure an evenly-coated formliner surface. Formliners should always be covered when not in use.

(Single use only)			
Properties	Rating	ASTM	
IZOD Impact, ftlb/in.	Rating	Aorm	
@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		
	vila Dutadiana Otum		
	rile-Butadiene Styre ses up to 10 times)	ene	
	•	A 0.714	
Properties IZOD Impact, ftlb/in.	Rating	ASTM	
@73°	5.6	D256	
@0°	1.9	D256	
Tensile Strength	5,300 psi	D230 D638	
Heat Deflection	5,500 psi	D030	
@264 psi	199	D648	
@66 psi	211	D648	
Falling Dart Impact, ftlb.		2010	
@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 - Polyu	ethane Elastomer		
	s up to 40-50 times)		
Properties	Rating	ASTM	
Shore A Hardness	45-50	D2240	
Unore A Haruness	+0-00	02240	

HIPS - High Impact Polystyrene

I TODETUES	Rating	AUTI
Shore A Hardness	45-50	D2240
Tear Strength, PLI	55	D624
Tensile Strength, psi	500	D638
Ultimate Elongation	40%	D638

PPE - Premium Polyurethane Elastomer (Multiple uses up to 100+ times)

Properties	Rating	ASTM
Shore A Hardness	60-65	D2240
Tear Strength, PLI	120	D624
Tensile Strength, psi	1150	D638
Ultimate Elongation	1200%	D638

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: $\pm 1/16$ " at edge (except over 1" thick)



Stone 1232 - Rustic Random Ashlar

	Impact Polystyr Igle use only)	ene
Properties	Rating	ASTM
ZOD Impact, ftlb/in.	-	
@70°F	2.0	D256
@0°F	1.3	D256
ensile Strength	3,700 psi	D638
leat Deflection	188	D695
/icat Softening	212	D1525
Vt.lb./sq.ft.		2.010
.070 mil	.449	
.090 mil	.577	
.110 mil	.705	
.130 mil	.833	
.150 mil	.966	
.150 mil	.900	
	itrile-Butadiene S	
(Multiple u	ises up to 10 time	s)
Properties	Rating	ASTM
ZOD Impact, ftIb/in.		
@73°	5.6	D256
@0°	1.9	D256
ensile Strength	5,300 psi	D638
leat Deflection		
@264 psi	199	D648
@66 psi	211	D648
alling Dart Impact, ftlb.		
@73°F	23	
@40°F	14	
Specific Gravity	1.05	D792
Vt. Ib./sq.ft.		
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	
	<pre>irethane Elastor es up to 40-50 tim</pre>	
roperties hore A Hardness	Rating 45-50	D2240
		D2240
ear Strength, PLI	55	D624
ensile Strength, psi	500	D638
Iltimate Elongation	40%	D638
	Polyurethane El	
· ·	ses up to 100+ tim	
roperties	Rating	ASTM
hore A Hardness	60-65	D2240
ear Strength, PLI	120	D624
ensile Strength, psi	1150	D638
Itimate Elongation	1200%	D638
Tole	rances @ 70F	
	erns, all materials))
Standard size: 4'x10'		
length: +1" to 2", -0" (ship Vidth: ± 1/4"	ped long for field	trimming)
hickness: ± 1/16" at edge	e (except over 1" t	hick)

Custom size: At customer request, additional charge.



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release



Stone 1239 - Random Fieldstone





Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release

Formliners should be sprayed with a premium form release before each use and within the same day concrete is placed. Form release should be applied with a low-flow, wide-angle, flatspray nozzle and wipe with a cloth to insure an evenly-coated formliner surface. Formliners should always be covered when not in use.

HIPS - High Impact Polystyrene (Single use only)		
Properties	Rating	ASTM
IZOD Impact, ftlb/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.	212	01020
.070 mil	.449	
.090 mil	.577	
.110 mil	.705	
.130 mil	.833	
.150 mil	.966	
	rile-Butadiene Styre	ene
(Multiple us	ses up to 10 times)	
Properties	Rating	ASTM
IZOD Impact, ftlb/in.	-	
@73°	5.6	D256
ã0°	1.9	D256
Tensile Strength	5,300 psi	D638
Heat Deflection	- / -	
@264 psi	199	D648
@66 psi	211	D648
Falling Dart Impact, ftlb.	2	2010
@73°F	23	
@40°F	14	
Specific Gravity	1.05	D792
Wt. lb./sq.ft.	1.00	D192
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	
	rethane Elastomer	
(Multiple use	s up to 40-50 times)	
Properties	Rating	ASTM
Shore A Hardness	45-50	D2240
Tear Strength, PLI	55	D624
Tensile Strength, psi	500	D638
Ultimate Elongation	40%	D638
0		
PPE - Premium F	Polyurethane Elasto	omer
	es up to 100+ times)	
<u>Properties</u>	Rating	ASTM
Shore A Hardness	60-65	D2240
Tear Strength, PLI	120	D624
Tensile Strength, psi	1150	D638
Ultimate Elongation	1200%	D638
-		

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: ± 1/16" at edge (except over 1" thick)



Stone 1240 - Random River Rock 3/4" Deep

	Impact Polystyrene	
(Sing	gle use only)	
Properties	Rating	ASTM
IZOD Impact, ftlb/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 - Acrylonit	rile-Butadiene Styre	ene
	ses up to 10 times)	
Properties	Rating	ASTM
IZOD Impact, ftlb/in.	-	
@73°	5.6	D256
@0°	1.9	D256
Tensile Strength	5,300 psi	D638
Heat Deflection		
@264 psi	199	D648
@66 psi	211	D648
Falling Dart Impact, ftlb.		
@73°F	23	
@40°F	14	
Specific Gravity	1.05	D792
Wt. Ib./sq.ft.		
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	
PF - Polyu	ethane Elastomer	
	s up to 40-50 times)	
Properties	Rating	ASTM
Shore A Hardness	45-50	D2240
Tear Strength PLI	55	D624

Properties	Rating	ASTIM
Shore A Hardness	45-50	D2240
Tear Strength, PLI	55	D624
Tensile Strength, psi	500	D638
Ultimate Elongation	40%	D638

PPE - Premium Polyurethane Elastomer (Multiple uses up to 100+ times)

, ,	
Rating	ASTM
60-65	D2240
120	D624
1150	D638
1200%	D638
	60-65 120 1150

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: ± 1/16" at edge (except over 1" thick)

Custom size: At customer request, additional charge.





Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release



Stone 1241 - Random River Rock 1-1/2" Deep

	Impact Polystyre gle use only)	ene
	• • • •	A 0 7 1 4
Properties	Rating	ASTM
ZOD Impact, ftlb/in.	0.0	DOFO
@70°F	2.0	D256
@0°F	1.3	D256
Tensile Strength	3,700 psi	D638
Heat Deflection	188	D695
/icat Softening	212	D1525
Nt.Ib./sq.ft.		
.070 mil	.449	
.090 mil	.577	
.110 mil	.705	
.130 mil	.833	
.150 mil	.966	
		4
	trile-Butadiene S ses up to 10 times	
	Rating	
Properties ZOD Impact, ftlb/in.	nauny	ASTIN
20D Impact, ntib/in. @73°	5.6	D256
@0°	5.6 1.9	
0		D256
Tensile Strength	5,300 psi	D638
Heat Deflection	100	D040
@264 psi	199	D648
@66 psi	211	D648
alling Dart Impact, ftlb.		
	23	
@73°F		
@40°F	14	
@40°F Specific Gravity	14 1.05	D792
@40°F		D792
@40°F Specific Gravity		D792
@40°F Specific Gravity Wt. lb./sq.ft.	1.05	D792
@40°F Specific Gravity Nt. lb./sq.ft. .070 mil	1.05	D792
@40°F Specific Gravity Nt. lb./sq.ft. .070 mil .090 mil	1.05 .451 .580	D792
@40°F Specific Gravity Nt. lb./sq.ft. .070 mil .090 mil .110 mil	1.05 .451 .580 .705	D792
@40°F Specific Gravity Wt. lb./sq.ft. .070 mil .090 mil .110 mil .130 mil .150 mil	1.05 .451 .580 .705 .833 .961	
@40°F Specific Gravity Wt. Ib./sq.ft. .070 mil .090 mil .110 mil .130 mil .150 mil PE - Polyu	1.05 .451 .580 .705 .833 .961 rethane Elastom	er
@40°F Specific Gravity Wt. lb./sq.ft. .070 mil .090 mil .110 mil .130 mil .150 mil PE - Polyu (Multiple use	1.05 .451 .580 .705 .833 .961 rethane Elastom es up to 40-50 tim	er es)
@40°F Specific Gravity Wt. lb./sq.ft. .070 mil .100 mil .110 mil .130 mil .150 mil PE - Polyu (Multiple use Properties	1.05 .451 .580 .705 .833 .961 rethane Elastom es up to 40-50 tim Rating	er es) ASTM
@40°F Specific Gravity Wt. lb./sq.ft. .070 mil .100 mil .110 mil .130 mil .150 mil PE - Polyu (Multiple use Properties Shore A Hardness	1.05 .451 .580 .705 .833 .961 rethane Elastom es up to 40-50 tim <u>Rating</u> 45-50	er es) ASTM D2240
@40°F Specific Gravity Wt. lb./sq.ft. .070 mil .100 mil .110 mil .130 mil .150 mil PE - Polyu (Multiple use Properties Shore A Hardness Fear Strength, PLI	1.05 .451 .580 .705 .833 .961 rethane Elastom es up to 40-50 tim <u>Rating</u> 45-50 55	er es) <u>ASTM</u> D2240 D624
@40°F Specific Gravity Nt. lb./sq.ft. .070 mil .100 mil .110 mil .130 mil .150 mil PE - Polyu (Multiple use Properties Shore A Hardness	1.05 .451 .580 .705 .833 .961 rethane Elastom es up to 40-50 tim <u>Rating</u> 45-50	er es) ASTM D2240

(Multiple uses up to 100+ times)

(manapie deee up to receiv amou)		
Properties		
Shore A Hardness		
Tear Strength, PLI		
Tensile Strength, psi		
Ultimate Elongation		
Shore A Hardness Tear Strength, PLI Tensile Strength, psi		

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: ± 1/16" at edge (except over 1" thick)

Custom size: At customer request, additional charge.





Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

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Attachment

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Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release



Stone 1255 - Vertical Flagstone

HIPS - Hink	n Impact Polysty	rene
	ngle use only)	ene
Properties	Rating	ASTM
ZOD Impact, ftlb/in.	-	
@70°F	2.0	D256
@0°F	1.3	D256
Tensile Strength	3,700 psi	D638
Heat Deflection	188	D695
/icat Softening	212	D1525
Nt.lb./sq.ft.		
.070 mil	.449	
.090 mil	.577	
.110 mil .130 mil	.705	
.150 mil	.833 .966	
. 150 1111	.900	
	itrile-Butadiene \$ uses up to 10 time	
Properties	Rating	,
ZOD Impact, ftlb/in.		
@73°	5.6	D256
@0°	1.9	D256
Tensile Strength	5,300 psi	D638
leat Deflection		
@264 psi	199	D648
@66 psi	211	D648
Falling Dart Impact, ftlb.		
@73°F	23	
@40°F	14	5-00
Specific Gravity	1.05	D792
Vt. lb./sq.ft.		
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil .150 mil	.833	
. 150 1111	.961	
	urethane Elaston	
(Multiple us	ses up to 40-50 tin	nes)
roperties	Rating	ASTM
Shore A Hardness	45-50	D2240
ear Strength, PLI	55	D624
ensile Strength, psi	500	D638
JItimate Elongation	40%	D638
	Polyurethane El	
· ·	ses up to 100+ tim	,
Properties	Rating	ASTM
Shore A Hardness	60-65	D2240
ear Strength, PLI	120	D624
ensile Strength, psi Iltimate Elongation	1150	D638
numate Elongation	1200%	D638
Tole	rances @ 70F	
(All patt	erns, all materials)
Standard size: 4'x10'		
ength: +1" to 2", -0" (ship Vidth: ± 1/4"	oped long for field	trimming)

Thickness: $\pm 1/16$ " at edge (except over 1" thick)

Custom size: At customer request, additional charge.



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

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Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release



Stone 1265 - Limestone



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release

Formliners should be sprayed with a premium form release before each use and within the same day concrete is placed. Form release should be applied with a low-flow, wide-angle, flatspray nozzle and wipe with a cloth to insure an evenly-coated formliner surface. Formliners should always be covered when not in use.

HIPS - High Impact Polystyrene		
(Sing	le use only)	
Properties	Rating	ASTM
IZOD Impact, ftlb/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	
	rile-Butadiene Styre	ene
(Multiple us	ses up to 10 times)	
Properties	Rating	ASTM
IZOD Impact, ftlb/in.	-	
@73°	5.6	D256
@0°	1.9	D256
Tensile Strength	5,300 psi	D638
Heat Deflection		
@264 psi	199	D648
@66 psi	211	D648
Falling Dart Impact, ftlb.		
@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	
	ethane Elastomer	
	s up to 40-50 times)	
	Rating	ASTM
Shore A Hardness	45-50	D2240
Tear Strength, PLI	55	D624
Tensile Strength, psi	500	D638
Ultimate Elongation	40%	D638
PPE - Premium Polyurethane Elastomer (Multiple uses up to 100+ times)		
(multiple uses up to 100+ times)		

(manuple deee up to receiv amou)		
Properties	Rating	ASTM
Shore A Hardness	60-65	D2240
Tear Strength, PLI	120	D624
Tensile Strength, psi	1150	D638
Ultimate Elongation	1200%	D638

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: ± 1/16" at edge (except over 1" thick)



Stone 1266 - 2" Random Ashlar Stone

HIPS - High Impact Polystyrene (Single use only)		
Properties	Rating	ASTM
IZOD Impact, ftlb/in.	Rating	ASTM
@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	
	ile-Butadiene Styre es up to 10 times)	ene
Properties	Rating	ASTM
IZOD Impact, ftlb/in.	- 2	
@73°	5.6	D256
@0°	1.9	D256
Tensile Strength	5,300 psi	D638
Heat Deflection		
@264 psi	199	D648
@66 psi	211	D648
Falling Dart Impact, ftlb.		
@73°F	23	
@40°F	14	
Specific Gravity	1.05	D792
Wt. Ib./sq.ft.		
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	
PE - Polvur	ethane Elastomer	
	s up to 40-50 times)	
Properties	Rating	ASTM
Shore A Hardness	45-50	D2240
Tear Strength, PLI	55	D624
Tensile Strength, psi	500	D638
Ultimate Elongation	40%	D638
Chimato Elongation	10 / 0	2000
PPE - Premium P	olyurethane Elasto	mer
	s up to 100+ times)	
Properties	Rating	ASTM
Shore A Hardness	60-65	D2240
Tear Strength, PLI	120	D624
Tensile Strength, psi	1150	D638
Ultimate Elongation	1200%	D638
Tolerances @ 70F		
(All patterns, all materials)		
Standard size: 4'x10'		
Length: +1" to 2", -0" (shipped	ed long for field trimn	ning)
Width: ± 1/4"		
Thickness: ± 1/16" at edge (except over 1" thick)		
Custom size: At customer request, additional charge.		



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release



Stone 1273 - Runningbond Ashalar Stone

	n Impact Polystyn ngle use only)	ene
Properties	Rating	ASTM
IZOD Impact, ftlb/in.	-	
@70°F	2.0	D256
@0°F	1.3	D256
ensile Strength	3,700 psi	D638
leat Deflection	188	D695
icat Softening	212	D1525
/t.lb./sq.ft.		
.070 mil	.449	
.090 mil	.577	
.110 mil	.705	
.130 mil	.833	
.150 mil	.966	
	itrile-Butadiene \$ uses up to 10 time	
<u>roperties</u> 20D Impact, ftlb/in.	Rating	ASTM
@73°	5.6	D256
@0°	1.9	D256
ensile Strength	5,300 psi	D230
leat Deflection	0,000 p3i	0000
@264 psi	199	D648
@66 psi	211	D648
alling Dart Impact, ftlb.		2010
@73°F	23	
@40°F	14	
pecific Gravity	1.05	D792
/t. lb./sq.ft.		
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	
PE - Polyı	urethane Elaston	ner
(Multiple us	es up to 40-50 tin	nes)
roperties	Rating	ASTM
hore A Hardness	45-50	D2240
ear Strength, PLI	55	D624
ensile Strength, psi	500	D638
Iltimate Elongation	40%	D638
	Polyurethane El ses up to 100+ tim	
roperties	Rating	ASTM
hore A Hardness ear Strength, PLI	60-65 120	D2240 D624
•	120	D624 D638
ensile Strength, psi Itimate Elongation	1200%	D638
		•
	rances @ 70F erns, all materials)
standard size: 4'x10'		
ength: +1" to 2", -0" (ship	pped long for field	trimming)
/idth: ± 1/4"		

Thickness: ± 1/16" at edge (except over 1" thick) Custom size: At customer request, additional charge.



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release



Stone 1280 - Random Drystack



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release

Formliners should be sprayed with a premium form release before each use and within the same day concrete is placed. Form release should be applied with a low-flow, wide-angle, flatspray nozzle and wipe with a cloth to insure an evenly-coated formliner surface. Formliners should always be covered when not in use.

(Single use only)			
Properties	Rating	ASTM	
IZOD Impact, ftlb/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 Acritoni	trile-Butadiene Styr	000	
	ses up to 10 times)	ene	
	Rating	ASTM	
IZOD Impact, ftlb/in.	Rating	AUTIM	
@73°	5.6	D256	
@0°	1.9	D256	
Tensile Strength	5,300 psi	D638	
Heat Deflection			
@264 psi	199	D648	
@66 psi	211	D648	
Falling Dart Impact, ftlb.			
@73°F	23		
@40°F	14		
Specific Gravity	1.05	D792	
Wt. Ib./sq.ft.			
.070 mil	.451		
.090 mil	.580		
.110 mil	.705		
.130 mil	.833		
.150 mil	.961		
PE - Polyurethane Elastomer			
(Multiple uses up to 40-50 times)			
Properties	Rating	ASTM	
Shore A Hardness	45-50	D2240	

HIPS - High Impact Polystyrene

Shore A Hardness	45-50	D2240
Tear Strength, PLI	55	D624
Tensile Strength, psi	500	D638
Ultimate Elongation	40%	D638

PPE - Premium Polyurethane Elastomer (Multiple uses up to 100+ times)

<u>Properties</u>	Rating	ASTM
Shore A Hardness	60-65	D2240
Tear Strength, PLI	120	D624
Tensile Strength, psi	1150	D638
Ultimate Elongation	1200%	D638

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: $\pm 1/16$ " at edge (except over 1" thick)



Stone 1281 Bush Hammer



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release

Formliners should be sprayed with a premium form release before each use and within the same day concrete is placed. Form release should be applied with a low-flow, wide-angle, flatspray nozzle and wipe with a cloth to insure an evenly-coated formliner surface. Formliners should always be covered when not in use.

(Sing	le use only)	
Properties	Rating	ASTM
IZOD Impact, ftlb/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	
ARS Acrylopit	rile-Butadiene Styre	200
	ses up to 10 times)	ane -
Properties	Rating	ASTM
IZOD Impact, ftlb/in.	Itating	///////////////////////////////////////
@73°	5.6	D256
@0°	1.9	D256
Tensile Strength	5,300 psi	D638
Heat Deflection	·	
@264 psi	199	D648
@66 psi	211	D648
Falling Dart Impact, ftlb.		
@73°F	23	
@40°F	14	
Specific Gravity	1.05	D792
Wt. Ib./sq.ft.		
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	
PF - Polyu	ethane Elastomer	
(Multiple use	s up to 40-50 times)	
Properties	Rating	ASTM

HIPS - High Impact Polystyrene

Rating	ASTM
45-50	D2240
55	D624
500	D638
40%	D638
	55 500

PPE - Premium Polyurethane Elastomer (Multiple uses up to 100+ times)

Properties	Rating	ASTM
Shore A Hardness	60-65	D2240
Tear Strength, PLI	120	D624
Tensile Strength, psi	1150	D638
Ultimate Elongation	1200%	D638

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: $\pm 1/16$ " at edge (except over 1" thick)



Stone 1285 Pea Gravel



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release

Formliners should be sprayed with a premium form release before each use and within the same day concrete is placed. Form release should be applied with a low-flow, wide-angle, flatspray nozzle and wipe with a cloth to insure an evenly-coated formliner surface. Formliners should always be covered when not in use.

(Sing	gle use only)	
Properties	Rating	ASTM
IZOD Impact, ftlb/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	
	rile-Butadiene Styre	ene
· ·	ses up to 10 times)	
Properties	Rating	ASTM
IZOD Impact, ftlb/in.		
@73°	5.6	D256
@0°	1.9	D256
Tensile Strength	5,300 psi	D638
Heat Deflection	100	D040
@264 psi	199	D648
@66 psi	211	D648
Falling Dart Impact, ftlb.	00	
@73°F	23	
@40°F	14	D700
Specific Gravity	1.05	D792
Wt. lb./sq.ft.	454	
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	
	rethane Elastomer	
· ·	s up to 40-50 times)	A 0714

HIPS - High Impact Polystyrene

<u>Properties</u>	Rating	ASTM
Shore A Hardness	45-50	D2240
Tear Strength, PLI	55	D624
Tensile Strength, psi	500	D638
Ultimate Elongation	40%	D638

PPE - Premium Polyurethane Elastomer (Multiple uses up to 100+ times)

Properties	Rating	ASTM
Shore A Hardness	60-65	D2240
Tear Strength, PLI	120	D624
Tensile Strength, psi	1150	D638
Ultimate Elongation	1200%	D638

Tolerances @ 70F

(All patterns, all materials)

Standard size: 4'x10'

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: ± 1/16" at edge (except over 1" thick)



Stone 1290 - Phoenix Limestone

	mpact Polystyrene	
Properties	Rating	ASTM
IZOD Impact, ftlb/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.	440	
.070 mil .090 mil	.449 .577	
.110 mil	.705	
.130 mil	.833	
.150 mil	.966	
	rile-Butadiene Styre ses up to 10 times)	ene
		ACTM
Properties IZOD Impact, ftIb/in.	Rating	ASTM
@73°	5.6	D256
@0°	1.9	D256
Tensile Strength	5,300 psi	D638
Heat Deflection		
@264 psi	199	D648
@66 psi	211	D648
Falling Dart Impact, ftlb.		
@73°F	23	
@40°F	14	D700
Specific Gravity Wt. lb./sq.ft.	1.05	D792
.070 mil	.451	
.090 mil	.580	
.110 mil	.705	
.130 mil	.833	
.150 mil	.961	
PE - Polyur	ethane Elastomer	
(Multiple use	s up to 40-50 times)	
Properties	Rating	ASTM
Shore A Hardness	45-50	D2240
Tear Strength, PLI	55	D624
Tensile Strength, psi	500	D638
Ultimate Elongation	40%	D638
	Polyurethane Elasto	mer
	es up to 100+ times)	
Properties	Rating	ASTM
Shore A Hardness Tear Strength, PLI	60-65 120	D2240 D624
Tensile Strength, psi	120	D624 D638
Ultimate Elongation	1200%	D638
Chanato Liongation	.20070	2000
	ances @ 70F	
(All patter	ns, all materials)	
Standard size: 4'x10'		
Length: +1" to 2", -0" (shipp	ed long for field trim	ming)
Width: ± 1/4"	/ /	
Thickness: ± 1/16" at edge	except over 1" thick)

Thickness: ± 1/16" at edge (except over 1" thick)

Custom size: At customer request, additional charge.



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release



Stone 1295 - Sierra Drystack

	mpact Polystyrene	
Properties	Rating	ASTM
IZOD Impact, ftlb/in.	- Cathring	7.07.11
@70°F	2.0	D256
@0°F	1.3	D256
Tensile Strength	3,700 psi	D638
Heat Deflection	188	D695
	212	
Vicat Softening	212	D1525
Wt.lb./sq.ft.		
.070 mil	.449	
.090 mil	.577	
.110 mil	.705	
.130 mil	.833	
.150 mil	.966	
	rile-Butadiene Styre	ne
	es up to 10 times)	
Properties	Rating	ASTM
IZOD Impact, ftlb/in.	F 0	DOFC
@73°	5.6	D256
@0°	1.9	D256
Tensile Strength	5,300 psi	D638
Heat Deflection		
@264 psi	199	D648
@66 psi	211	D648
Falling Dart Impact, ftlb.		
@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		
. 150 1111	.961	
-	ethane Elastomer	
	s up to 40-50 times)	
Properties	Rating	ASTM
Shore A Hardness	45-50	D2240
Tear Strength, PLI	55	D624
Tensile Strength, psi	500	D638
Ultimate Elongation	40%	D638
PPF - Promium	olyurethane Elasto	mer
	es up to 100+ times)	
Properties	Rating	ASTM
Shore A Hardness	60-65	
		D2240
Tear Strength, PLI	120	D624
Tensile Strength, psi	1150	D638
Ultimate Elongation	1200%	D638
Talan	205 @ 705	
	ances @ 70F	
	ns, all materials)	
Standard size: 4'x10'		
1 on ath +1" to 2" -0 " (shinn	ed long for field trime	nina)

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: $\pm 1/16$ " at edge (except over 1" thick)

Custom size: At customer request, additional charge.



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release



Stone 1296 - Long Island Ashlar

HIPS - High Impact Polystyrene (Single use only)			
Properties	Rating	ASTM	
IZOD Impact, ftlb/in.		<u></u>	
@70°F	2.0	D256	
@0°F	1.3	D256	
0		D638	
Tensile Strength	3,700 psi		
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		
	rile-Butadiene Styre	ene	
	es up to 10 times)		
Properties	Rating	ASTM	
IZOD Impact, ftlb/in.	- 0	DOCO	
@73°	5.6	D256	
@0°	1.9	D256	
Tensile Strength	5,300 psi	D638	
Heat Deflection			
@264 psi	199	D648	
@66 psi	211	D648	
Falling Dart Impact, ftlb.			
@73°F	23		
@40°F	14		
Specific Gravity	1.05	D792	
Wt. Ib./sq.ft.			
.070 mil	.451		
.090 mil	.580		
.110 mil			
	.705		
.130 mil	.833		
.150 mil	.961		
PE - Polvur	ethane Elastomer		
	s up to 40-50 times)		
Properties	Rating	ASTM	
Shore A Hardness	45-50	D2240	
Tear Strength, PLI	55	D624	
Tensile Strength, psi	500	D638	
Ultimate Elongation	40%	D638	
Chanate Liongation	1070	2000	
PPE - Premium P	olyurethane Elasto	mer	
	s up to 100+ times)		
Properties	Rating	ASTM	
Shore A Hardness	60-65	D2240	
Tear Strength, PLI	120	D624	
Tensile Strength, psi	1150	D638	
Ultimate Elongation	1200%	D638	
enanate Elongation	120070	2000	
Tolera	inces @ 70F		
	ns, all materials)		
Standard size: 4'x10'	-		
Length: +1" to 2", -0" (shipp	ed long for field trimr	ning)	

Length: +1" to 2", -0" (shipped long for field trimming) Width: \pm 1/4"

Thickness: ± 1/16" at edge (except over 1" thick)

Custom size: At customer request, additional charge.



Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A "stack up" of tolerances can result in a noticeable "step" in the finished concrete surface, especially with "shallow" formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release



American Formliners Warranty

American Formliners Inc. (hereafter known as Supplier) warrants that the Supplier of concrete accessory products sold to Purchaser will be free from defects in materials and workmanship for a period of six (6) months from the date of delivery, and the Supplier will repair, or in its sole discretion, replace, any Product or part thereof found to be defective at the time of delivery if such Product or part is returned (at Purchaser's expense and risk) and received by the Supplier within ten (10) days after the applicable warranty period. Descriptions, representations and other information concerning the Supplier contained in the Supplier's catalogs, advertisements or other promotional materials or statements or representations made by the Supplier's sales agents or representatives shall not be binding upon the Supplier and shall not be part of this limited warranty unless expressly identified in writing as PRODUCT SPECIFICATIONS.

This limited warranty does not cover normal maintenance, or items consumed during installation or normal operations, normal wear and tear, use under circumstances exceeding specifications, use for purposes other than the use for which the Products were intended, abuse, unauthorized repair or alteration, improper installation, failure to follow the Supplier's printed instructions, guidelines and recommendations for installation and use, lack of proper maintenance or damage caused by natural causes such as fire, storm, or flood. Purchaser shall determine the suitability of the Product for his intended use and Purchaser assumes all liabilities and risks whatsoever in connection therewith.

This limited warranty is Purchaser's exclusive remedy. It shall not be deemed to have failed of its essential purpose so long as the Supplier is willing and able to repair or replace defective products or parts thereof in the manner specified. No allowance will be made or repairs made by Purchaser.

Except as herein provided, the Supplier shall not be liable to Purchaser in any manner with respect to the Products. In no event shall the Supplier liability to Purchaser ever exceed the purchase price of the allegedly defective Product. Except as herein provided, the Supplier shall not be liable for transportation, labor or other charges for adjustments, repairs, replacements of parts, installation, or other work, which may be done upon or in connection with the Products sold.

THE SUPPLIER SHALL NOT IN ANY EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING LOST PROFITS, whether arising from any defect in the Products, any use of the Products, from Purchaser's inability to use the Products, or otherwise. This limited warranty applies to only products made by the Supplier.

NO OTHER EXPRESS AND NO IMPLIED WARRANTIES OF ANY TYPE, WHETHER FOR MERCHANTABILITY, FITNESS FOR A PARTICULAR USE, OR OTHERWISE, OTHER THAN THOSE EXPRESSLY SET FORTH ABOVE (WHICH ARE MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES) SHALL APPLY TO THE PRODUCTS.

Leave a lasting impression in concrete with American Formliners!



AMERICAN FORMLINERS PROVIDES THESE ADVANTAGES:

- State-of-the-art manufacturing by an industry-trusted name
- Single-use, multi-use and extended-use material options
- Hard-to-find pattern lengths for greater forming versatility
- End-to-end and side-to-side matching for seamless appearance
- Cost-effective material pricing with nationwide availability
- Custom design capability for unique forming applications



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