

PRODUCT: VBFF-321-31-AR-00 REV021814

PRODUCT DESCRIPTION: 1 lb/sf PVC barrier with 3/4 inch polyether foam absorber, 1/4 inch foam decoupler and reinforced aluminized facing.

BARRIER

Physical Property	Description - Value	Tolerance
Material	Flexible PVC vinyl (polyvinylchloride)	
Color	Charcoal gray	
Weight	1.0 lb/sf	0.1 lb/sf
Flammability	MVSS-302	
Service Temperature	-40°F to 220°F	
Chemical Resistance	Excellent for most acids, mild alkalis, oils and grease	

FOAM

Physical Property	Description - Value	Tolerance	Test Standard
Material	Polyether Polyurethane Foam	NA	NA
Color	Charcoal	NA	NA
Density	1.8 lb/cf	+ - 0.18	ASTM D3574
Elongation	140%	minimum	ASTM D3574
Tensile Strength	12.0 psi	minimum	ASTM D3574
Tear Strength	1.00 pli	minimum	ASTM D3574
Flammability	MVSS302, UL-94 HF-1		

FACING

Physical Property	Description - Value	Test Standard
Weight	1.9 oz/sy ± 10%	ASTM-D-3776
Thickness	0.007 inch ± 0.001 inch	ASTM-D-1777
Breaking Strength – Warp	25 lbs/inch	ASTM-D-5035
Breaking Strength – Fill	20 lbs/inch	ASTM-D-5035
Tear Strength – Warp	35.27 oz	ASTM-D-1424
Tear Strength – Fill	28.22 oz	ASTM-D-1424
Burst Strength	75 psi	ASTM-D-3786
Beach Puncture	26.5 in/lb	ASTM-D-781
Flame Resistance – Char Length	12 inch max.	FED 191/5903.2
Flame Resistance – Afterglow	5 seconds max.	FED 191/5903.2
Flame Resistance – Flame Out	5 seconds max.	FED 191/5903.2

ABSORPTION COEFFICIENT AND NRC to ASTM E1050

Octave	(Hz)	125	250	500	1000	2000	4000	NRC
Octave	Absorp Coef	0.09	0.16	0.44	0.68	0.74	0.45	0.51

SOUND TRANSMISSION LOSS and STC to ASTM E90 and E413 on 1 lb/sf barrier only

Frequency (Hz)	125	250	500	1000	2000	4000	STC
TL (dB)	17	19	24	29	34	40	28

AVAILABLE SIZES

Roll	54" X 25'
Sheet	As Specified

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**ASTM E1050
Normal Incidence Absorption
VBFF-321-31-AR-00**

