



ALPHA

engineered composites

145 Lehigh Avenue, Lakewood, NJ 08701
T: 732.634.5700 **F:** 732.634.1430 alphainc.com

ALPHA - TEMP (SCRIM BASE)
 STYLE VBF-2

DESCRIPTION

Alpha Style VBF-2 is a triple-ply laminate comprised of a fiberglass scrim treated with a flame retardant adhesive and laminated to a white flame retardant adhesive vinyl face and an aluminum foil back. The fiberglass scrim is woven specially to create the Alpha "TOUGH EDGE" that will prevent tearing and ripping at the seam.

1. Base Fabric: 4 x 4 glass scrim (16/100 mm x 16/100 mm)
2. Film: 0.002" rigid vinyl (50 microns)
3. Aluminum: 0.00065" foil (17 microns)

ADVANTAGES

Alpha Style VBF-2 can be embossed for decorative appeal, if so desired. Alpha Style VBF-2 offers the user a multitude of advantages such as aesthetic value, and the fact that the product can be washed over or painted. It is also ideal for blanket facing, ceiling facings, as well as cold or hot pipe.

NOTE:

The data listed below is indicative of the main body of the product and not the edge. Because of the increased reinforcement, all data in the left-hand column will be more than what is listed. This product is U.L. listed and the label can be extended for anyone wishing to face this material on fiberglass wool.

PROPERTY DATA

STYLE VBF-2

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	4.7 oz/sy ± 10%	159.8 g/m ² ± 10%
THICKNESS	ASTM-D-1777	0.010" ± .001"	0.254 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 35 lbs/inch Fill- 35 lbs/inch	6.25 kg/cm 6.25 kg/cm
TEAR STRENGTH	ASTM-D-1424	Warp- 56.44 oz. Fill- 56.44 oz.	1600 gms. 1600 gms.
BEACH PUNCTURE	ASTM-D-1136	50 units (13.25 inch-lbs)	1.5 Joules
TEMPERATURE RESISTANCE		0 °F to +150 °F	-18 °C to 66 °C
PERMEABILITY (MVTR)	ASTM-E-96	0.02 Perms	0.013 metric Perms
CORROSION RESISTANCE	ASTM C258-1	No Corrosion or Delamination	
FLAME RESISTANCE	ASTM E-84	Face: Flame=15, Smoke=30 Back: Flame=5, Fuel=0, Smoke=0	

DATA SHEET: 13338 REV: D DATE: 12/10/14 *All values are nominal unless otherwise specified.

Specializing in marine, aerospace, automotive and commercial fabrics for thermal and industrial applications

All statements herein are expressions of opinion that we believe to be accurate and reliable, but are presented without guaranty or responsibility on our part. Statements concerning possible use of our products are not intended as recommendations for their use alone or in combination with any materials or elements to infringe any patents. No patent warranty of any kind, express or implied, is made or intended.