

HIGHLAND

Highland features:

- Satin finish wood grain
- .042" panel thickness
- Roll-over nail rail
- 15 colors inspired by nature







Arizona Tan Khaki Brown

Rockaway Grey

Grenadier Green

Frost

Bone

lvory

Prairie Gold

Cypress

Stratus

Flagstone

Brownstone Hearthstone

Sandalwood

• .042" • Roll-o • 15 co

Profile	Double 4" Horizontal		
Length/Pc	12'6"	3.81 m	
Width/Pc	8"	20.32 cm	
Panels/Ctn	24	24	
Coverage/Ctn	200 sq. ft.	18.58 m ²	
Nom. Thickness	.042"	1.07 mm	
Windload Data	160 mph	257 km/h	

Double 5" Horizontal Triple Three

Double 5" Dutchlap			
12'	3.66 m		
10"	25.4 cm		
20	20		
200 sq. ft.	18.58 m ²		
.042"	1.07 mm		
160 mph	257 km/h		

12'	3.66 m
10"	25.4 cm
20	20
200 sq. ft.	18.58 m ²
.040"	1.02 mm



Certificate of Conformance

TEST	PRODUCT PHYSICALS						
IZOD impact (23°C/73°F)	TEST	STD. METHOD	UNITS OF MEASURE	RESULT			
Tensile strength ASTM D-638 Psi 370000 Modulus of elasticity Deflection of temperature under load @ 264 Psi Coefficient of linear expansion Chemical resistance ASTM D-696 ASTM D-543 Chemical resistance ASTM D-543 Compound class ASTM D-1784 Compound class FIRE RELATED PROPERTIES - PVC Flame spread index Fuel contribution Self ignition temperature, °F Smoke density rating (%) Maximum smoke density (%) Visibility of exit sign Total burn time, seconds Extent of burning, mm ASTM D-4226 Impact resistance (32°F/0°C) ASTM D-4226 In-lb/mil I.71 Low temperature flexibility CGSB41-GP-24Ma STAN D-635 STD. METHOD ASTM D-4226 In-lb/mil I.71	IZOD impact (0°C/32°F)	ASTM D-256	ft-lb/in	3.53			
Modulus of elasticity Deflection of temperature under load @ 264 Psi Coefficient of linear expansion Coefficient of linear expansion Chemical resistance Cell classification Cell classification Compound class FIRE RELATED PROPERTIES - PVC Flame spread index Fuel contribution Self ignition temperature, °F ASTM D-1929, UBC 52-3 Smoke density rating (%) Maximum smoke density (%) Visibility of exit sign Total burn time, seconds Extent of burning, mm SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST Impact resistance (32°F/0°C) Lass # 163 ASTM D-638 Psi 370000 ASTM D-648 Psi 163 ASTM D-696 X10° in/in/°F 4.3 Excellent Class # 2 ASTM D-1784 Class # 13544-B ASTM D-849-02 Class # 2 ASTM D-842-1 Barrian ASTM D-85-3 STD. METHOD UNITS OF MEASURE RESULT Impact resistance (32°F/0°C) ASTM D-4226 In-lb/mil 1.71 Low temperature flexibility CGSB41-GP-24Ma % pass	IZOD impact (23°C/73°F)	ASTM D-256	ft-lb/in	33.9			
Deflection of temperature under load @ 264 Psi	Tensile strength	ASTM D-638	Psi	8200			
Coefficient of linear expansion Chemical resistance Cell classification Cell classification Compound class FIRE RELATED PROPERTIES - PVC Flame spread index Fuel contribution Self ignition temperature, °F ASTM D-1929, UBC 52-3 Smoke density rating (%) Maximum smoke density (%) Visibility of exit sign Total burn time, seconds Extent of burning, mm Test TEST SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST Impact resistance (73°F/23°C) Impact resistance (32°F/0°C) Low temperature flexibility ASTM D-4226 In-lb/mil ASTM D-635 ASTM D-62444 ASTM D-625 SECULT ASTM D-4226 In-lb/mil 1.71 Low temperature flexibility CGSB41-GP-24Ma % pass ASTM D-635	Modulus of elasticity	ASTM D-638		370000			
Chemical resistance Cell classification Cell classification ASTM D-1784 Compound class ASTM D-3679-02 Class # 2 FIRE RELATED PROPERTIES - PVC Flame spread index Fuel contribution Self ignition temperature, °F ASTM D-1929, UBC 52-3 Smoke density rating (%) Maximum smoke density (%) Visibility of exit sign ASTM D-2843, UBC 52-2 Visibility of exit sign ASTM D-635 SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST STD. METHOD UNITS OF MEASURE RESULT Impact resistance (73°F/23°C) ASTM D-4226 In-lb/mil ASTM D-635 RESULT Low temperature flexibility CGSB41-GP-24Ma % pass >80		ASTM D-648	•	163			
Cell classification ASTM D-1784 class # 13544-B Compound class ASTM D-3679-02 class # 2 FIRE RELATED PROPERTIES - PVC Flame spread index ASTM E84, UBC 42-1 18 Fuel contribution ASTM D-1929, UBC 52-3 810 Self ignition temperature, °F ASTM D-1929, UBC 52-3 810 Smoke density rating (%) ASTM D-2843, UBC 52-2 56.0 Visibility of exit sign Good Total burn time, seconds Extent of burning, mm ASTM D-635 SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST STD. METHOD UNITS OF MEASURE RESULT Impact resistance (73°F/23°C) ASTM D-4226 in-lb/mil 2.57 Impact resistance (32°F/0°C) ASTM D-4226 in-lb/mil 1.71 Low temperature flexibility CGSB41-GP-24Ma % pass >80	Coefficient of linear expansion	ASTM D-696	X10 ⁻⁵ in/in/°F	4.3			
Compound class ASTM D-3679-02 class # 2 FIRE RELATED PROPERTIES - PVC Flame spread index ASTM E84, UBC 42-1 18 Fuel contribution ASTM D-1929, UBC 52-3 810 Self ignition temperature, °F ASTM D-1929, UBC 52-3 810 Smoke density rating (%) ASTM D-2843, UBC 52-2 56.0 Visibility of exit sign Good Total burn time, seconds Extent of burning, mm ASTM D-635 SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST STD. METHOD UNITS OF MEASURE RESULT Impact resistance (73°F/23°C) ASTM D-4226 in-lb/mil 2.57 Impact resistance (32°F/0°C) ASTM D-4226 in-lb/mil 1.71 Low temperature flexibility CGSB41-GP-24Ma % pass >80	Chemical resistance	ASTM D-543		excellent			
FIRE RELATED PROPERTIES - PVC Flame spread index Fuel contribution Self ignition temperature, °F ASTM D-1929, UBC 52-3 Smoke density rating (%) Maximum smoke density (%) Visibility of exit sign Total burn time, seconds Extent of burning, mm ASTM D-635 SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST STD. METHOD UNITS OF MEASURE Impact resistance (73°F/23°C) Impact resistance (32°F/0°C) ASTM D-4226 In-lb/mil 1.71 Low temperature flexibility CGSB41-GP-24Ma % pass >810 ASTM D-62-3 810 ASTM D-62-3 810 ASTM D-63-5 Cood Total burn time, seconds Extent of burning, mm ASTM D-63-5 ASTM D-63-5 RESULT Impact resistance (73°F/23°C) ASTM D-422-6 In-lb/mil 1.71 Low temperature flexibility	Cell classification	ASTM D-1784		13544-B			
Flame spread index Fuel contribution Self ignition temperature, °F ASTM D-1929, UBC 52-3 810 Smoke density rating (%) Maximum smoke density (%) Visibility of exit sign Total burn time, seconds Extent of burning, mm ASTM D-635 SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST STD. METHOD UNITS OF MEASURE RESULT Impact resistance (73°F/23°C) ASTM D-4226 Impact resistance (32°F/0°C) ASTM D-4226 In-lb/mil 1.71 Low temperature flexibility CGSB41-GP-24Ma % pass >80				2			
Fuel contribution Self ignition temperature, °F ASTM D-1929, UBC 52-3 810 Smoke density rating (%) Maximum smoke density (%) Visibility of exit sign Total burn time, seconds Extent of burning, mm SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST STD. METHOD UNITS OF MEASURE RESULT Impact resistance (73°F/23°C) ASTM D-4226 Impact resistance (32°F/0°C) ASTM D-4226 In-lb/mil 1.71 Low temperature flexibility CGSB41-GP-24Ma % pass >80	FIRE RELAT	ED PROPERTIES -	- PVC				
Fuel contribution Self ignition temperature, °F ASTM D-1929, UBC 52-3 810 Smoke density rating (%) Maximum smoke density (%) Visibility of exit sign Total burn time, seconds Extent of burning, mm ASTM D-635 SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST STD. METHOD UNITS OF MEASURE RESULT Impact resistance (73°F/23°C) ASTM D-4226 Impact resistance (32°F/0°C) ASTM D-4226 In-lb/mil 1.71 Low temperature flexibility CGSB41-GP-24Ma % pass >80	Flame spread index	ACTALE94 LIDC 42 1		18			
Smoke density rating (%) Maximum smoke density (%) Visibility of exit sign Total burn time, seconds Extent of burning, mm ASTM D-635 SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST STD. METHOD UNITS OF MEASURE RESULT Impact resistance (73°F/23°C) ASTM D-4226 Impact resistance (32°F/0°C) ASTM D-4226 Low temperature flexibility CGSB41-GP-24Ma % pass >80	Fuel contribution	A31W L04, OBC 42-1		0			
Maximum smoke density (%) Visibility of exit sign Total burn time, seconds Extent of burning, mm SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST STD. METHOD UNITS OF MEASURE Impact resistance (73°F/23°C) ASTM D-4226 Impact resistance (32°F/0°C) ASTM D-4226 Low temperature flexibility ASTM D-424Ma STM D-426 CGSB41-GP-24Ma STM D-426 STM D-426 STM D-426 STM D-426 STM D-426 STM D-427 STM D-42	Self ignition temperature, °F	ASTM D-1929, UBC 52-3		810			
Maximum smoke density (%) Visibility of exit sign Total burn time, seconds Extent of burning, mm SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST STD. METHOD UNITS OF MEASURE Impact resistance (73°F/23°C) ASTM D-4226 Impact resistance (32°F/0°C) ASTM D-4226 Low temperature flexibility CGSB41-GP-24Ma STM D-2843, UBC 52-2 56.0 Good ASTM D-635 **SEBULT In Incident Company of the Company of	Smoke density rating (%)			42.1			
Total burn time, seconds Extent of burning, mm SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST STD. METHOD UNITS OF MEASURE RESULT Impact resistance (73°F/23°C) ASTM D-4226 in-lb/mil 2.57 Impact resistance (32°F/0°C) ASTM D-4226 in-lb/mil 1.71 Low temperature flexibility CGSB41-GP-24Ma % pass >80		ASTM D-2843, UBC 52-2		56.0			
Extent of burning, mm SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST STD. METHOD UNITS OF MEASURE RESULT Impact resistance (73°F/23°C) ASTM D-4226 in-lb/mil 2.57 Impact resistance (32°F/0°C) ASTM D-4226 in-lb/mil 1.71 Low temperature flexibility CGSB41-GP-24Ma % pass >80	Visibility of exit sign	·		Good			
Extent of burning, mm SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES TEST STD. METHOD UNITS OF MEASURE RESULT Impact resistance (73°F/23°C) ASTM D-4226 in-lb/mil 2.57 Impact resistance (32°F/0°C) ASTM D-4226 in-lb/mil 1.71 Low temperature flexibility CGSB41-GP-24Ma % pass >80	Total burn time, seconds	ASTM D 635		<5			
TESTSTD. METHODUNITS OF MEASURERESULTImpact resistance (73°F/23°C)ASTM D-4226in-lb/mil2.57Impact resistance (32°F/0°C)ASTM D-4226in-lb/mil1.71Low temperature flexibilityCGSB41-GP-24Ma% pass>80	Extent of burning, mm	ASTM D-633		<5			
Impact resistance (73°F/23°C)ASTM D-4226in-lb/mil2.57Impact resistance (32°F/0°C)ASTM D-4226in-lb/mil1.71Low temperature flexibilityCGSB41-GP-24Ma% pass>80	SIDING/EXTRUDATE	TYPICAL PHYSICA	AL PROPERTIES				
Impact resistance (32°F/0°C)ASTM D-4226in-lb/mil1.71Low temperature flexibilityCGSB41-GP-24Ma% pass>80	TEST	STD. METHOD	UNITS OF MEASURE	RESULT			
Low temperature flexibility CGSB41-GP-24Ma % pass >80	Impact resistance (73°F/23°C)	ASTM D-4226	in-lb/mil	2.57			
	Impact resistance (32°F/0°C)	ASTM D-4226	in-lb/mil	1.71			
	Low temperature flexibility	CGSB41-GP-24Ma	% pass	>80			
	Shrinkage/reversion	ASTM D-1042		<3.0			
Surface Distortion CGSB41-GP-24Ma °F >131		CGSB41-GP-24Ma	° Е	\131			
ASTM D-3679-02		ASTM D-3679-02	'	/131			

CODES / STANDARDS - Mitten vinyl siding conforms and/or surpasses certification standards in many countries:

CANADA CAN/CGSB-41.24.95 CCMC Acceptance No.06419L **United States of America** ASTM 3679-02 UBC Standard 14-2 NES NER 528

Australia AS/NZ S4256 Type B

Warranty:

All Mitten vinyl products are covered by a Lifetime Limited Warranty. Foam Back Cladding has additional coverage. See warranties or visit mittenbp.com for details and limitations.

Windload data was calculated from negative wind pressure values, derived from wind tunnel testing using standard application techniques. The relationship between negative wind pressure and miles per hour is a theoretical, industry-accepted calculation performed by an accredited lab. Values can be greatly enhanced by increasing nail head sizes or adding washers.

NES Certification: Mitten has received confirmation by the National Evaluation Service, Inc. (NES) at nateval.org that its vinyl siding products comply with the exterior wall covering and wind resistance provisions of the three U.S. model building codes (BOCA National, ICBO Uniform, and SBCCI Standard) in addition to the new 2000 International Building Code of the International Code Council. This confirmation, as evidenced in the NES evaluation report [NER-528], provides guidance to code officials faced with approving the use of Mitten vinyl siding under these codes.

VSI online at vinylsiding.org

Vinyl Siding Institute provides assurance to homeowners, remodelers, contractors, planners, code officials and architects regarding the quality of the vinyl siding they select and use. Vinyl siding, certified under the VSI Vinyl Siding Certification Program, has been independently verified by a third-party laboratory to meet or exceed ASTM D3679, the long-standing, industry-wide standard for quality vinyl siding.

VSI Certified Siding Installer Program

VSI's Certified Installer Program provides training and certification for vinyl siding installers and companies. For more information, please visit vinylsiding.org.