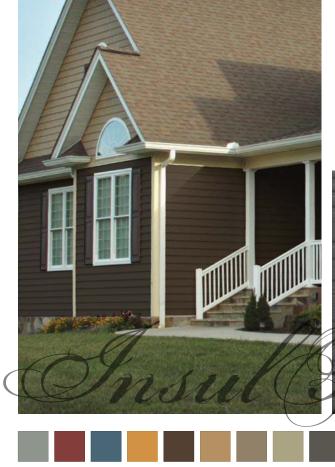
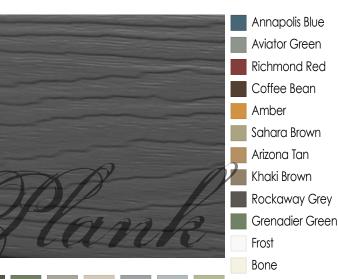


# INSULPLANK'II

# InsulPlank®II features:

- Added insulation reduces energy costs and outside noise
- Provides a permeable vapor breather allowing moisture to escape
- Non-toxic repellent wards off termites
- SecureLock<sup>™</sup> ensures panels lock tight











Cypress
Stratus
Flagstone
Brownstone
Hearthstone
Sandalwood

Ivory

Prairie Gold

Profile	Double 6"	Horizontal
Length/Pc	12'6"	3.81 m
Width/Pc	12"	30.4 cm
Panels/Ctn	8	8
Coverage/Ctn	100 sq. ft.	$9.29 \text{ m}^2$
Nom. Thickness	.050"	1.27 mm

nickness .050" 1.27 mm Standard Colors .055" 1.39 mm Premium/Designer Colors Insulated vinyl siding helps increase the exterior wall's R-Value, contributing to a home's energy efficiency.



# Certificate of Conformance

TEST	PRODUCT PHYSICALS					
IZOD impact (23°C/73°F)  Resile strength  ASTM D-638  ASTM D-638  Psi  8200  Modulus of elasticity  Deflection of temperature under load @ 264 Psi  Coefficient of linear expansion  ASTM D-696  Coefficient of linear expansion  ASTM D-1096  Coefficient of linear expansion  ASTM D-1096  ASTM D-1096  Coefficient of linear expansion  ASTM D-1096  ASTM D-1098  FIRE RELATED PROPERTIES - PVC  Flame spread index Fuel contribution  Self ignition temperature, °F  ASTM D-1929, UBC 52-3  Smoke density rating (%)  ASTM D-1929, UBC 52-3  Smoke density rating (%)  ASTM D-2843, UBC 52-2  Solution in 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  1.71  Low temperature flexibility  CGS841-GP-24Ma  °F  >131  Surface Distortion	TEST	STD. METHOD	UNITS OF MEASURE	RESULT		
Tensile strength	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  ASTM D-696  ASTM D-696  Coefficient of linear expansion  ASTM D-696  ASTM D-543  Chemical resistance  ASTM D-543  Compound class # 13544-B  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  ASTM D-4843, UBC 52-2  SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES  TEST  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  Substance (CGSB41-GP-24Ma  Sub	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  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 (73°F/23°C)  Impact resistance (32°F/0°C)  Surface Distortion  ASTM D-0424  ASTM D-1042  AS	Modulus of elasticity	ASTM D-638		370000		
Chemical resistance Cell classification Cell classification Compound class ASTM D-1784 Compound class ASTM D-3679-02 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 ASTM D-2843, UBC 52-2 Socood 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 Implact resistance (32°F/0°C) ASTM D-4226 Implact resistance (32°F/0°C) ASTM D-4226 Shrinkage/reversion ASTM D-1042 % ASTM D-1042 % Surface Distortion CGSB41-GP-24Ma °F >1311		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 <5  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  Shrinkage/reversion ASTM D-1042 % <3.0  Surface Distortion CGSB41-GP-24Ma °F	Coefficient of linear expansion	ASTM D-696	X10 <sup>-5</sup> in/in/°F	4.3		
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  TEST  STD. METHOD  Impact resistance (73°F/23°C)  Impact resistance (32°F/0°C)  Low temperature flexibility  Sufface Distortion  ASTM D-1042  CGSB41-GP-24Ma  PASTM D-1042  CGSB41-GP-24Ma  PE  STD. METHOD  STD. METH	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  810  Smoke density rating (%)  Maximum smoke density (%)  Visibility of exit sign  Total burn time, seconds Extent of burning, mm  ASTM D-2843, UBC 52-2  Good  ASTM D-635  SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES  TEST  STD. METHOD  UNITS OF MEASURE  RESULT  Impact resistance (73°F/23°C)  ASTM D-4226  Implementation in-lb/mil  1.71  Low temperature flexibility  CGSB41-GP-24Ma  Surface Distortion  CGSB41-GP-24Ma  PE  18  ASTM D-1929, UBC 52-3  810  ASTM D-2843, UBC 52-2  56.0  Good  Total burn time, seconds  STD. ASTM D-635  ASTM D-635  STD. METHOD  UNITS OF MEASURE  RESULT  Impact resistance (32°F/0°C)  ASTM D-4226  In-lb/mil  1.71  ASTM D-1042  Surface Distortion	Cell classification	ASTM D-1784		13544-B		
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-635  TEST  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  Impact resistance (32°F/0°C)  Low temperature flexibility  CGSB41-GP-24Ma  Surface Distortion  ASTM D-1042  %  S131				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  ASTM D-635  SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES  TEST  Impact resistance (73°F/23°C)  Impact resistance (73°F/23°C)  ASTM D-4226  ASTM D-4226  Impact resistance (32°F/0°C)  ASTM D-4226  In-lb/mil  1.71  Low temperature flexibility  CGSB41-GP-24Ma  Surface Distortion  CGSB41-GP-24Ma  °F  S10  S10  S10  S10  S10  S10  S10  S1	FIRE RELATED 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)  Impact resistance (32°F/0°C)  ASTM D-4226  In-lb/mil  1.71  Low temperature flexibility  CGSB41-GP-24Ma  Surface Distortion  CGSB41-GP-24Ma  °F  >131	Flame spread index	ASTM F84 LIBC 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  Impact resistance (32°F/0°C)  ASTM D-4226  Shrinkage/reversion  ASTM D-1042  Surface Distortion  CGSB41-GP-24Ma  °F  >131	Fuel contribution	A31W L04, ODC 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 Impact resistance (32°F/0°C) ASTM D-4226 ASTM D-4226 ASTM D-4226 Shrinkage/reversion ASTM D-1042 ASTM D-1042 Surface Distortion  CGSB41-GP-24Ma PE  56.0 Good  ASTM D-635  CSSB41 PROPERTIES  RESULT  1.71 2.57  ASTM D-4226 AST	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 Impact resistance (32°F/0°C) ASTM D-4226 ASTM D-4226 ASTM D-4226 Shrinkage/reversion ASTM D-1042 ASTM D-1042 Surface Distortion  CGSB41-GP-24Ma PE  56.0 Good  ASTM D-635  CSSB41 FROPERTIES  RESULT  1.71  2.57  ASTM D-4226 AS	Smoke density rating (%)	ASTM D-2843, UBC 52-2		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 Shrinkage/reversion ASTM D-1042 % <3.0 Surface Distortion CGSB41-GP-24Ma °F	Maximum smoke density (%)			56.0		
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  Shrinkage/reversion ASTM D-1042 % <3.0  Surface Distortion CGSB41-GP-24Ma °F >131	Visibility of exit sign			Good		
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  Shrinkage/reversion ASTM D-1042 % <3.0  Surface Distortion CGSB41-GP-24Ma °F >131	Total burn time, seconds	ASTM D-635		<5		
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 Shrinkage/reversion ASTM D-1042 % <3.0 Surface Distortion CGSB41-GP-24Ma °F >131				<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>80Shrinkage/reversionASTM D-1042%<3.0	SIDING/EXTRUDATE TYPICAL PHYSICAL PROPERTIES					
Impact resistance (32°F/0°C)ASTM D-4226in-lb/mil1.71Low temperature flexibilityCGSB41-GP-24Ma% pass>80Shrinkage/reversionASTM D-1042%<3.0	TEST	STD. METHOD	UNITS OF MEASURE	RESULT		
Low temperature flexibilityCGSB41-GP-24Ma% pass>80Shrinkage/reversionASTM D-1042%<3.0	Impact resistance (73°F/23°C)	ASTM D-4226	in-lb/mil	2.57		
Shrinkage/reversionASTM D-1042%<3.0Surface DistortionCGSB41-GP-24Ma°F>131	Impact resistance (32°F/0°C)	ASTM D-4226	in-lb/mil	1.71		
Shrinkage/reversionASTM D-1042%<3.0Surface DistortionCGSB41-GP-24Ma°F>131	Low temperature flexibility	CGSB41-GP-24Ma	% pass	>80		
Surface Distortion CGSB41-GP-24Ma °F >131		ASTM D-1042		<3.0		
ACTAID 2070 02   F   >131		CGSB41-GP-24Ma ₀⊏		<b>\131</b>		
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.