

INSTALLATION GUIDE

Local building codes and principles should always be adhered to when installing Wolf Portrait™ Siding (the "Product"). All installations are unique and the sole responsibility of the installer to determine specific requirements for each application. Wolf disclaims all liability and responsibility for the improper installation of the Product. Wolf recommends that all designs be reviewed by a licensed engineer, architect, and/or local building inspector before installation.

WARNING AND IMPORTANT INFORMATION

1. The Product must be installed over a drainable house wrap with a minimum 95% drainable efficiency (ASTM-E2273). Wolf strongly recommends installing over BLOCK-IT® House Wrap. Failure to use drainable house wrap with a minimum 95% drainable efficiency will void the Limited Warranty for Wolf Portrait™ Siding (the "Limited Warranty").
2. Use only Wolf Portrait™ Siding InfinitySeam™ Plate and Wolf approved adhesives (see Seam Plate Installation on page 2) to butt join seams. Failure to use will void the Limited Warranty.
3. Never tightly butt the Product to trim or other fixed structures. Doing so will void the Limited Warranty. Please reference the Trim Spacing Chart on page 4.
4. Never face nail the Product unless you pre-drill an expansion slot. Doing so will void the Limited Warranty.
5. Please reference the Sherwin-Williams paint match chart on page 6 if painting trim and accessories.
6. All surfaces absorb and retain heat from the sun. Greater heat retention may occur with darker colors, especially in areas of full exposure to the sun. This condition is due to the nature of the Product in relation to environmental exposure, and is not covered by any express or implied warranty.
7. Potential damage to the Product may be caused by light reflecting from Low E Glass. This condition is due to the nature of the Product in relation to environmental exposure, and is not covered by any express or implied warranty.
 - The use of screens, awnings and foliage may minimize this effect.
8. It is highly recommended that the Product be installed by a certified Wolf PRO siding contractor. If installed by a certified Wolf PRO siding contractor, the Residential Purchaser will receive an extended 5-year labor warranty.

BASIC RULES FOR INSTALLING THE PRODUCT

While these rules are not all that's involved in installing the Product, adhering to them will go a long way to ensuring a proper installation.

1. Store the Product in a shaded area and cover with a light covered tarp to prevent excessive heat build-up.
2. Cut boards using a circular saw blade with a minimum of 8T per inch of diameter. (i.e. 80T on a 10" blade).
3. For best results, when using a compound miter saw, cut with nailing hem towards the fence, color side facing up.
4. Wolf recommends using the Wolf Portrait™ Siding starter strip.
5. Fasten 16" or less on center using 6D hot dipped galvanized or stainless steel nails, minimum 1" penetration into stud.
6. Never face nail the Product unless you pre-drill an expansion slot.
7. Do not over drive nails.
8. Use only Wolf recommended adhesive and seam plates. See Seam Plate Installation on page 2.
9. Be accurate on end-gap measurements based on installation temperature. See Trim Spacing Chart on page 4.
10. There are two trim installation techniques for the Product. The first uses two layers of trim, a packing layer of 16mm (5/8") trim, and a finished layer. The packing layer can be installed prior to Product installation. The finished layer will be applied after the Product is installed. The second trim method is one piece routed trim and must be applied after the Product is installed. Depending on installation temperatures, the routed pocket may need to be modified to accommodate extremes due to expansion and contraction. See Trim Spacing Chart on page 4.

STORAGE AND HANDLING

1. The Product should be kept on a flat and level surface, and should be kept free of dust, dirt and debris. Keep the Product covered until ready to install. If the Product does get dirty, it should be cleaned after installation. Store the Product in a shaded area and cover with a light covered tarp to prevent excessive heat build-up.
2. When possible, carry the Product on its side to minimize deflection and damage (Fig. 1).



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HIGH-DENSITY CELLULAR™ TECHNOLOGY

PREPARATION

1. The Product must be install over a drainable house wrap with a minimum 95% drainable efficiency (ASTM-E2273). Wolf strongly recommends installing over BLOCK-IT® House Wrap.
2. Because the Product may mirror any imperfections in the substrate, ensure that the surface is as flat as possible before installation.
3. If the project is re-siding, be sure to remove the old siding or install furring strips to ensure a flat surface.
4. Install proper flashing as required by code.
5. Install the Product starter strip along a straight and level line, nailing every 8"-12" (Fig. 2 & 3).
6. A ripped piece of the Product with nailing flange may be used as a starter strip to ensure course alignment across different elevations.
7. If you're using the two part trim option from step 10 (basic rules), you may install packing trim at this time.

INSTALLATION

1. The Product is designed with an integral tongue and groove on each panel to ensure courses install level and straight. To set the first course on to the starter strip simply use moderate hand pressure to seat the panel on the starter strip flange (Fig. 4).
2. Fasten the Product a maximum of 16" on center using 6D hot dipped galvanized or stainless steel nails, minimum 2" long. Every effort should be made to ensure the nails hit wall studs. Ideally, the nails should penetrate a minimum 1" into the wall joist. Wolf recommends the use of stainless steel nails in areas near water or in areas of high humidity (Fig. 5).
3. When nailing a panel, place nail in the center of the fastener slot. Drive in nail straight and level, leaving 1/16" gap between the head of the nail and the surface of the fastener slot. Do not overdrive nail, as this may pin the panel and interfere with natural expansion and contraction (Fig. 5).
4. On subsequent courses of siding utilize integral tongue and groove interlock system. Locking the groove of the next course onto the tongue (nailing flange). Periodically check to ensure level (Fig. 6).
5. For best result, provide a minimum of 1/2" clearance between the Product and any surface that may collect water.
6. In the event that you need to rip the Product for the top course, nail the top of the panel by using the head of the nail to hold the panel in place. An alternate method would be to recreate the expansion slot using a 5/32" drill bit.

SEAM PLATE INSTALLATION

1. Please make sure you have the correct seam plate for the Product panel to be installed. There are different plates for the single 7" panel and the double 4" panel.
2. Use only Wolf approved adhesive (Fig. 7).
 - For installation temperatures between 25° F - 35° F use Extreme Adhesives Fast Cure.
 - For installation temperatures between 35° F - 100° F use Extreme Adhesives White Hot.
 - For best results, store adhesives indoors prior to use when installing in colder temperatures.
 - **NOTE:** If you anticipate a temperature change more than 40° within 24 hours, Wolf recommends Extreme Adhesives Fast Cure.
 - **NOTE:** When using Extreme Adhesives Fast Cure, remember to purchase additional mixing tips as the epoxy will dry and clog mixing chambers.



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3. Apply four vertical 1/4" beads of adhesive to the seam plate, no closer than 1" to the butt end of the panel. An additional 1/4" bead should be applied horizontal in the lowest slot (Fig. 7).
4. Gently pull back on the butt end of the installed panel, moving the panel just far enough to slide the seam plate with the adhesive on it behind the installed panel. (Fig. 8)
5. To avoid excess adhesive at the seam, tilt the panel into place, and lock into the proceeding course. (Fig. 10) With firm hand pressure, push on both butt ends to ensure an adequate spread of the adhesive.
6. Place nails on either side of the seam plate in the nail slots as close to the outer edge of the plate as possible. Be sure not to drive nail through the seam plate (Fig. 11)
7. Do not attempt to install seam plates when the temperature is below 25° F.

TRIM INSTALLATION

1. Refer to the Wolf Trim installation instructions for proper installation of trim.
2. There are two trim installation techniques for the Product. The first uses two layers of trim, a packing layer of 16mm (5/8") trim, and a finished layer. The packing layer can be installed prior to Product installation (Fig 12). The finished layer will be applied after the Product is installed. The second trim method is one piece routed trim and must be applied after the Product is installed (Fig 13). Depending on installation temperatures, the routed pocket may need to be modified to accommodate extremes due to expansion and contraction. See Trim Spacing Chart on page 4.
3. For best results, use chalk line to mark spacing. See Trim Spacing Chart on page 4.
4. For a fastener free appearance, we recommend Wolf Cortex for trim.

CARE AND MAINTENANCE

1. The Product can be cleaned using a mild detergent or a mild household cleanser. Do not use an abrasive cleaner to clean the Product as this may damage the surface and void the warranty.
2. Mold and mildew can be removed from the Product using a mild mold and mildew remover.
3. For minor repairs to the Product use an elastomeric caulk similar to DAP's 920 spec line. See DAP color-match chart on page 5.

NOTE:

- All surfaces absorb and retain heat from the sun. Greater heat retention may occur with darker colors, especially in areas of full exposure to the sun. This condition is due to the nature of the Product in relation to environmental exposure, and is not covered by any express or implied warranty.
- Potential damage to the Product may be caused by light reflecting from Low E Glass. This condition is due to the nature of the Product in relation to environmental exposure, and is not covered by any express or implied warranty.
 - The use of screens, awnings and foliage may minimize this effect.



Fig. 7



Fig. 8



Fig. 9

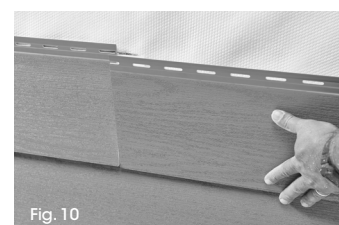


Fig. 10

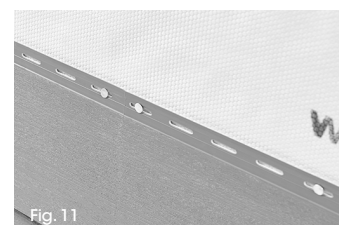


Fig. 11



Fig. 12



Fig. 13



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QUICK MATERIALS GUIDELINES

THICKNESS	EXPOSURE	LENGTH	PC		PK			SEAM PLATE PER SQ
			LB	SQ	PCS	LB/PK	SQ/PK	
15mm	7"	12'-6"	9	.072	7	63	.500	6-10
15mm	Double 4"	12'-6"	10.75	.082	6	64.5	.500	5-8

TRIM SPACING CHART

INSTALL TEMPERATURE RANGE (°F)	LENGTH OF SIDING COURSE	SPACE BETWEEN BUTT EDGE OF SIDING & PACKING TRIM	MINIMUM POCKET DEPTH TO CREATE
25-60	Up to 30 ft	1/2"	1"
25-60	30 ft to 60 ft	1"	1-1/2"
25-60	Greater than 60 ft	Install a trim break board to reduce the length of the course	Call Wolf Customer Care for details
61 to 100	Up to 30 ft	3/8"	1-3/8"
61 to 100	30 ft to 60 ft	3/4"	1-1/2"
61 to 100	Greater than 60 ft	Install a trim break board to reduce the length of the course	Call Wolf Customer Care for details



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COLOR-MATCH ACCESSORIES

COLOR-MATCH CHART					
WOLF PORTRAIT™ SIDING COLOR	MASTIC COIL P	MASTIC COIL A	MASTIC ACCESS	MID AMERICA CUSTOM	MID AMERICA STANDARD
Oyster White	36628321-P	36627243-A	04	221	117
Graphite	-	36629379-A 36627380-A	090 or 80	-	-
Sandstone	36628625-P	36627625-A	JL	263	8 or 23
Morning Mist	36628331-P	36627246-A	X4	198	-
Vintage Taupe	36635441-P	36635304-A	BT	97	8
Chestnut	36628626-P	36627626-A	E4	222	-
Riverstone	36636751-P	36645863-A	C3	173	1
Hemlock	36628573-P	36627573-A	JE	232	-
Baltic Blue	-	-	LA	-	36
Denim	36628623-P	36627623-A	156 or RD	127	4
Pearl White	36628321-P	36627243-A	PW	123	117

COLOR-MATCH CHART CONTINUED					
WOLF PORTRAIT™ SIDING COLOR	OSI QUAD CAULK	DAP CAULK	BERGER COLOR	BERGER P/N SMOOTH	BERGER P/N PVC
Oyster White	004	WT093	Snow White	SW-24	SWPVC-24
Graphite	501	GY712	Tuxedo Gray	TCG24TG	TGPVC-24
Sandstone	456	BR124	Pebblestone Clay	PBCL-24	PBCLPVC-24
Morning Mist	517	GY718	Glacier Blend	GLB-24	GLBPVC-24
Vintage Taupe	335	CL516	Rye	RYE-24	-
Chestnut	253	BR115	Montana Suede	MNTSUEDE-24	-
Riverstone	465	CL503	Birchwood	BCHWD - 24	-
Hemlock	739	GN861	Cypress	CYP-27	CYPVC-24
Baltic Blue	861	BL926	Regatta	9124240 (close match)	-
Denim	827	BL913	Pacific Blue	PCB-24	PCBPVC24
Pearl White	001	WT098	Snow White	SW-24	SWPVC-24



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SHERWIN-WILLIAMS COLOR-MATCH CHART

WOLF PORTRAIT™ SIDING COLOR	SHERWIN-WILLIAMS COLOR FORMULA					BASE COLOR
Oyster White	CCE*Colorant	OZ	32	64	128	Extra White 640413530
	G2 - New Green	-	-	1	-	
	N1 - Raw Umber	-	2	-	1	
	R3 - Magenta	-	-	1	1	
Graphite	CCE*Colorant	OZ	32	64	128	Ultradeep 640413613
	W1 - White	-	42	-	-	
	L1 - Blue	-	29	-	1	
	R2 - Maroon	-	14	1	-	
	Y3 - Deep Gold	-	9	1	1	
Sandstone	CCE*Colorant	OZ	32	64	128	Deep 640413571
	W1 - White	-	4	1	1	
	G2 - New Green	-	-	-	1	
	L1 - Blue	-	7	-	1	
	R2 - Maroon	-	5	1	1	
	Y3 - Deep Gold	-	14	-	-	
Morning Mist	CCE*Colorant	OZ	32	64	128	Extra White 640413530
	L1 - Blue	-	9	-	1	
	R2 - Maroon	-	4	1	-	
	Y3 - Deep Gold	-	5	1	1	
Vintage Taupe	CCE*Colorant	OZ	32	64	128	Deep 640413571
	W1 - White	-	22	-	1	
	L1 - Blue	-	8	1	-	
	R2 - Maroon	-	4	1	-	
	Y3 - Deep Gold	-	12	1	1	
Chestnut	CCE*Colorant	OZ	32	64	128	Ultradeep 640413613
	W1 - White	-	28	-	1	
	L1 - Blue	-	25	1	1	
	R2 - Maroon	-	14	1	-	
	Y3 - Deep Gold	-	27	-	-	



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SHERWIN-WILLIAMS COLOR-MATCH CHART

WOLF PORTRAIT™ SIDING COLOR	SHERWIN-WILLIAMS COLOR FORMULA					BASE COLOR
Hemlock	CCE*Colorant	OZ	32	64	128	Deep 640413571
	W1 - White	-	22	1	1	
	L1 - Blue	-	6	1	-	
	R2 - Maroon	-	2	1	-	
	Y3 - Deep Gold	-	16	-	1	
Riverstone	CCE*Colorant	OZ	32	64	128	Extra White 640413530
	G2 - New Green	-	-	1	-	
	N1 - Raw Umber	-	19	1	1	
	R2 - Maroon	-	-	-	1	
Baltic Blue	CCE*Colorant	OZ	32	64	128	Ultradeep 640413613
	W1 - White	-	8	1	1	
	B1 - Black	-	27	1	1	
	L1 - Blue	-	16	1	-	
	N1 - Raw Umber	-	4	1	1	
	R3 - Magenta	-	13	1	1	
Denim	CCE*Colorant	OZ	32	64	128	Deep 640413571
	W1 - White	-	2	-	-	
	B1 - Black	-	48	-	-	
	G2 - New Green	-	4	1	1	
	Y3 - Deep Gold	-	3	-	1	
Pearl White	CCE*Colorant	OZ	32	64	128	Extra White 640413530
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	

