



APPLICATION INSTRUCTIONS ASPHALT SHINGLES

SECTION 5

LAMINATE SHINGLES

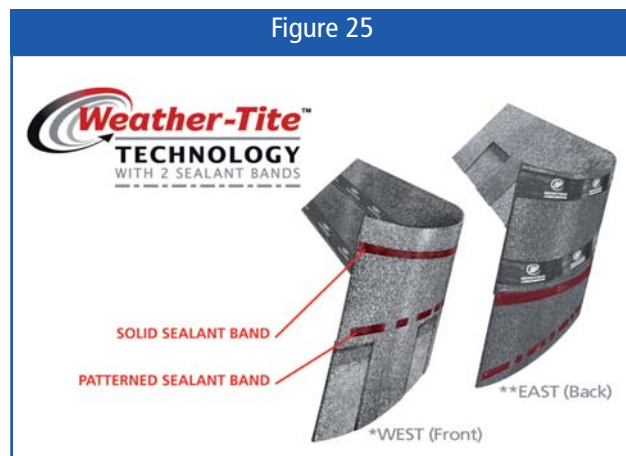
- 5.0 Weather-Tite™: Sealant Bands / Cellophane Strips
- 5.1 Method 1 - Everest and Mystique
- 5.2 Method 2 - Harmony
- 5.3 Method 3 - Manoir

5.0 - Weather-Tite™: Sealant Bands / Cellophane Strips

NOTE : Laminate Shingles are now backed with BP's innovative Weather-Tite™ Technology. These Shingles now include 2 Sealant Bands which provide superior protection in the toughest weather (see Table 3).

Shingles	Standard Wind Warranty	High Wind Warranty
<ul style="list-style-type: none"> • Manoir • Everest • Harmony • Mystique 	180 km/h (110 mph)	220 km/h (135 mph)

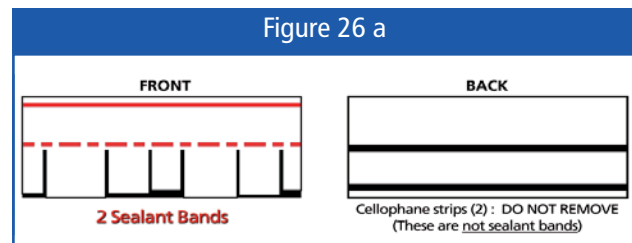
In order to make the distinction between the application of shingles offered in the West versus those offered in the East (see Figure 25).



*Manufactured in the West. Sealant Bands are located on the Top / Front of each Shingle (also see Figure 26 a).

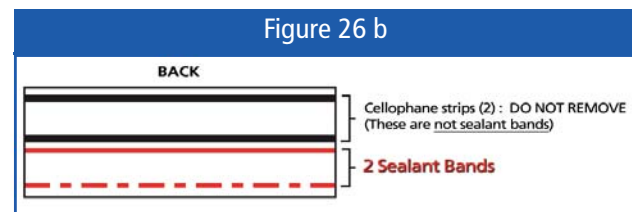
**Manufactured in the East. Sealant Bands are located on the Bottom / Back of each Shingle (also see Figure 26 b).

WEST : In the Prairies as well as in British Columbia, 2 Sealant Bands are located on the Front of the HARMONY and MANOIR shingles. Also included are two Cellophane Strips, which are protective strips located on the Back of each shingle and SHOULD NOT BE REMOVED (see Figure 26 a).



Nails need to be applied between the adhesive dabs (see Figure 5 in Section 3.1-E).

EAST : In the Atlantic, Ontario and Quebec regions, 2 Sealant Bands are located on the Back of the EVEREST and MYSTIQUE shingles. Also included on the Back are two Cellophane Strips, which are protective strips that SHOULD NOT BE REMOVED (see Figure 26 b). ‡(see NOTE below)



Nails need to be applied on the nailing line (see Figure 5 in Section 3.1-E).

‡NOTE: MANOIR, although manufactured in the West, this shingle is sold in both Western and Eastern regions and therefore must be applied by nailing between the adhesive dabs.

SECTION 5



Before proceeding with the installation, please refer to the following sections in this Application Instructions :

Section 1 - Getting Ready For The Job ;

Section 2 - Preparation, Protection of vulnerable area & Ventilation ;

Section 3 - General Instructions.

NOTE : Compliance with all local safety regulations is the responsibility of the applicator. Compliance with current building code requirements is the responsibility of the applicator and the homeowner. Self-sealing hip and ridge shingles contain self-sealing adhesive strips that must be exposed to sufficient surface temperatures before full thermal sealing can occur. Shingles installed in the fall or winter may not seal until they are exposed to such periods of sufficient surface temperatures (see Section 3.1-F). In addition, contamination of the self-sealing adhesive by dust or foreign matter may prevent the sealing strip from achieving full thermal seal. Prior to sealing, shingles are more vulnerable to being blown-off or incurring wind damage.

Building Products of Canada Corp. reserves the right to modify the following application instructions at any time. To obtain the latest and complete version of the application instructions, please visit www.bpcan.com.

A - GENERAL DIRECTIONS :

- **Roof Deck**
See Section 2.2
- **Cement**
See Section 3.1-B
- **Installing Shingles over an Existing Roof**
See Section 3.1-G
- **Eave Protection**
See Section 3.2-A
- **Underlayment**
See Section 3.2-B
- **Low Slope Application**
See Section 3.3
- **Valley Preparation**
See Section 3.5
- **Flashing**
See Section 3.6



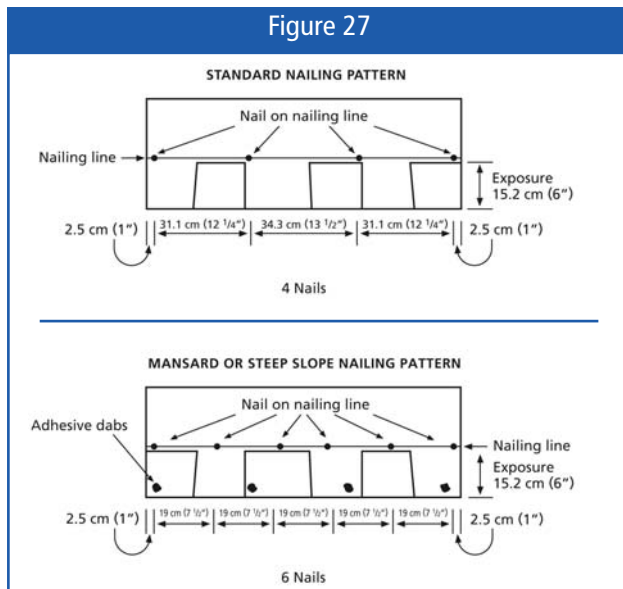
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5.1 - LAMINATED SHINGLES - Everest and Mystique

B.1 - Application of Shingles :

Nailing :

Improper nailing will render the warranty null and void (see Section 3.1-A). Nail as per Figure 27. The head of the nails must be driven flush to the top of the shingle surface. Raised nails can result in shingle distortion and may prevent sealing due to lack of contact with the sealant. Do not use staples to attach shingles. A minimum of four nails per shingle is required for all slopes. On steep sloped or mansard 15/12 and up, a minimum of six nails is required (see Section 3.1-D).



EVEREST and MYSTIQUE shingles offered in the East, must be nailed on the nailing line to allow penetration through the double-ply area just above the tops of the laminated tabs.

Place one nail 2.5 cm (1") back from each end and one 33 cm (13") back from each end of the shingle for a total of four nails, or place one nail 2.5 cm (1") back from each end and equally space four more nails every 19 cm (7 1/2"), for a total of six nails (see Figure 5 in Section 3).

Starter Course :

Prepare the deck with eaves protection, underlayment, drip edges and flashings as recommended.

1] Use BP Starter Strip Shingles or cut away and discard the lower tab portion of self-sealing type shingles ;

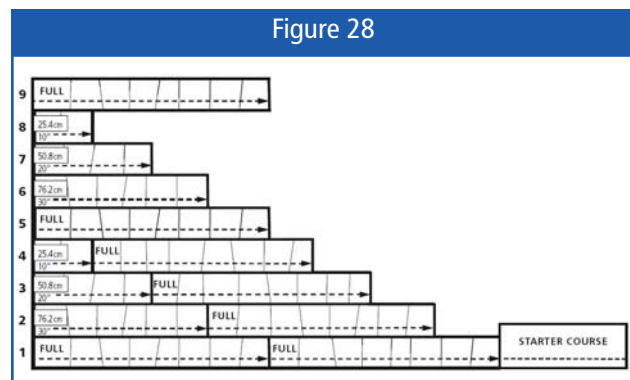
2] Cut 15.2 cm (6") off the left end of the first shingle and install with the factory applied sealant bands adjacent to the eaves. The starter course should overhang both the eave and rake edges 6 mm (1/4") ;

3] Continue across the roof with full length starter strip or trimmed shingles. Nail with four nails equally spaced across the shingle, to 7.5 cm (3") up from the eave.

Asphalt Plastic Cement may be used underneath the first course of the starter strip and along the rake edge as needed. It should be used sparingly, as excessive amounts may cause blistering.

Application :

Start the first course with a full shingle. For the second course, cut 25.4 cm (10") from left end of shingle, and apply the long section over the headlap of the first course shingle, exposing 15.2 cm (6") of it. For the third course, cut 50.8 cm (20") from the left end of the shingle and apply the long section over the headlap of the second course. Begin the fourth course with a partial shingle measuring 25.4 cm (10") establishing the overall diagonal method. Start the fifth course with a full shingle, repeating the process beginning with a full shingle and starting each succeeding course as described above. Continue to make your way across the roof, ensuring a 15.2 cm (6") exposure throughout the roof (see Figure 28).



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NOTE : do not align joints of shingle courses when working in cut pieces . Joints should be no closer than 25.4 cm (10") vertically from one another.

Shingles In Valley :

At the end of the shingle course, cut the last shingle flush with the chalk line. Cut off the upper corner of the shingle to prevent water infiltration between the courses (see Section 3.5). Cement the shingles to the valley flashing with Asphalt Plastic Cement, and nail as usual.

Hip and Ridge Treatment :

Use appropriate BP three-tab shingle of same colour (see Table 4). Ensure shingles are sufficiently warm and flexible to prevent cracking in cold climates.

Laminate Shingles	HR East	HR West
Manoir	Yukon SB ; Meridian 3D	
Everest	Yukon SB ; Meridian 3D	n/a
Harmony	n/a	Yukon SB ; Meridian 3D
Mystique	Dakota	n/a

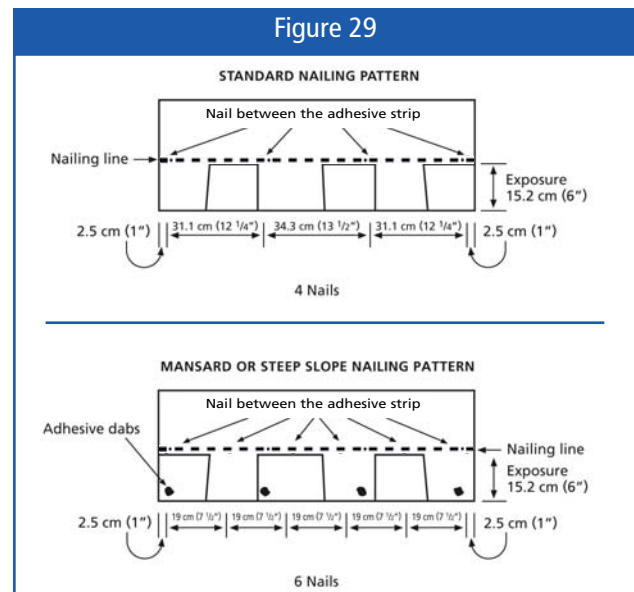
5.2 - LAMINATED SHINGLES - Harmony

B.2 - Application of Shingles :

Nailing :

Improper nailing will render the warranty null and void (see Section 3.1-A). Nail as per Figure 29. The head of the nails must be driven flush to the top of the shingle surface. Raised nails can result in shingle distortion and may prevent sealing due to lack of contact with the sealant. Do not use staples to attach shingles. A minimum of four nails per shingle is required for all slopes. On steep sloped or mansard roofs 15/12 and up, a minimum of six nails is required (see Section 3.1-D).

HARMONY shingles offered in the West, must be nailed between the adhesive dabs of the patterned sealant band (nailing line) to allow penetration through the double-ply area just above the tops of the laminated tabs. Place one nail 2.5 cm (1") back from each end and one 31.12 cm (12 1/4") back from each end of the shingle for a total of four nails, or place one nail 2.5 cm (1") back from each end and equally space four more nails every 19 cm (7 1/2") for a total of six nails (see Figure 5 in Section 3).



It is not necessary to remove the cellophane tape from the back of the shingles.

Starter Course :

Prepare the deck with eaves protection, underlayment, drip edges and flashings as recommended.

1] Use BP Starter Strip Shingles or cut away and discard the lower tab portion of self-sealing type shingles ;

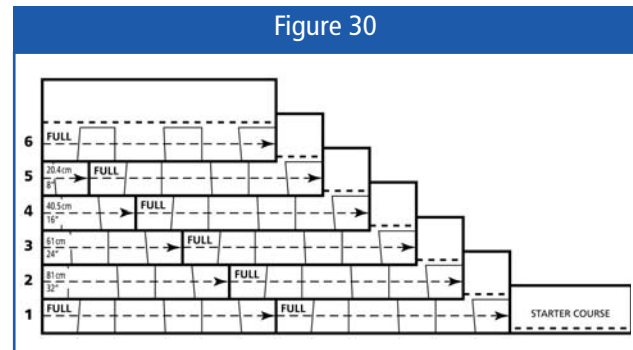
2] Cut 15.2 cm (6") off the left end of the first shingle and install with the factory applied sealant bands adjacent to the eaves. The starter course should overhang both the eave and rake edges 6 mm (1/4") ;

3] Continue across the roof with full length starter strip or trimmed shingles. Nail with four nails equally spaced across the shingle, 7.5 cm (3") up from the eave.

Asphalt Plastic Cement may be used underneath the first course of the starter strip and along the rake edge as needed. It should be used sparingly, as excessive amounts may cause blistering.

Application :

Start the first course with a full shingle. For the second course, cut 20.4 cm (8") from left end of shingle, and apply the long section over the headlap of the first course shingle, exposing 15.2 cm (6") of it. For the third course, cut 40.5 cm (16") from the left end of the shingle and apply the long section over the headlap of the second course. Courses four and five are begun with a partial shingle 20.4 cm (8") shorter progressively, establishing the overall diagonal method. Start the sixth course with a full shingle, repeating the process beginning with a full shingle and starting each succeeding course as



described above. Continue to make your way across the roof, ensuring a 15.2 cm (6") exposure throughout. When you make your final cut at the roof's edge, use the pieces that are 20.4 cm (8") or longer. These can be worked in anywhere on the roof without creating zippers or color variations (see Figure 30).

NOTE : Do not align joints of shingle courses when working in cut pieces. Joints should be no closer than 10 cm (4") vertically from one another.

Shingles In Valley :

At the end of the shingle course, cut the last shingle flush with the chalk line. Cut off the upper corner of the shingle to prevent water infiltration between the courses (see Section 3.5). Cement the shingles to the valley flashing with BP Asphalt Plastic Cement, and nail as usual.

Hip and Ridge Treatment :

Use appropriate 3-tab shingles of equivalent colour (see Table 4) in Section 5.1. Ensure shingles are sufficiently warm and flexible to prevent cracking in cold climates.

5.3 - LAMINATED SHINGLES - Manoir

B.3 - Application of Shingles :

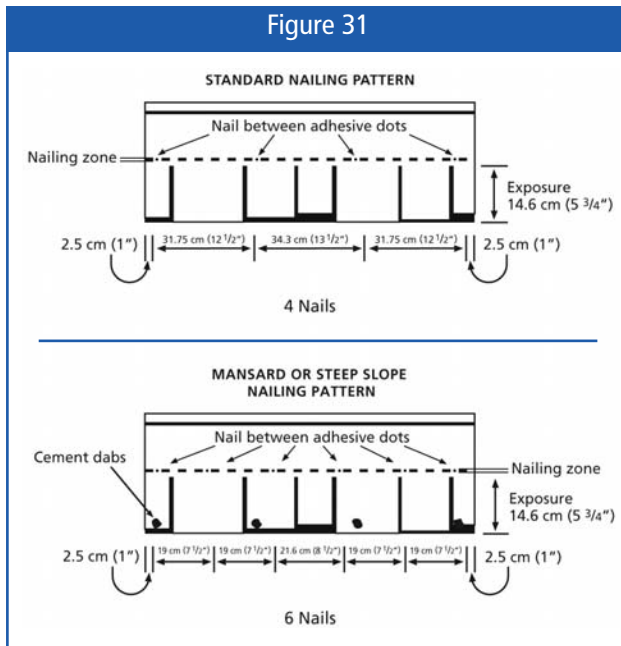
Nailing :

Improper nailing will render the warranty null and void (see Section 3.1-A). Nail as per Figure 31. The head of the nails must be driven flush to the top of the shingle

surface. Raised nails can result in shingle distortion and may prevent sealing due to lack of contact with the sealant. Do not use staples to attach shingles. A

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minimum of four nails per shingle is required for all slopes. On steep sloped or mansard roofs 15/12 and up, a minimum of six nails is required (see **Section 3.1-D**). To allow penetration through the double-ply area just above the tops of the laminated tabs, **MANOIR shingles, sold in Western and Eastern regions alike, must always be nailed between the adhesive dabs of the patterned sealant band**. Place one nail 2.5 cm (1") back from each end and one 31.75 cm (12 1/2") back from each end of the shingle for a total of four nails, or place one nail 2.5 cm (1") back from each end and equally space four more nails every 19 cm (7 1/2") for a total of six nails (see **Figure 5 in Section 3**).

It is not necessary to remove the cellophane tape from the back of the shingles.

Starter Course :

Prepare the deck with eaves protection, underlayment, drip edges and flashings as recommended.

1] Use BP Starter Strip Shingles or cut away and discard the lower tab portion of self-sealing type shingles ;

2] Cut 15.2 cm (6") off the left end of the first shingle and install with the factory applied sealant bands adjacent to

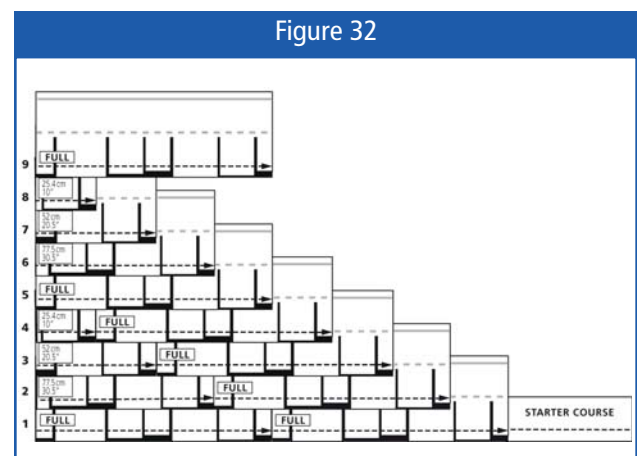
the eaves. The starter course should overhang both the eave and rake edges 6 mm (1/4") ;

3] Continue across the roof with full length starter strip or trimmed shingles. Nail with four nails equally spaced across the shingle, 7.5 cm (3") up from the eave.

Asphalt Plastic Cement may be used underneath the first course of the starter strip and along the rake edge as needed. It should be used sparingly, as excessive amounts may cause blistering.

Application :

Start the first course with a full shingle. For the second course, cut 25.4 cm (10") from left end of shingle, and apply the long section over the headlap of the first course shingle, exposing 14.6 cm (5 3/4") of it. For the third course, cut 50.8 cm (20") from the left end of the shingle and apply the long section over the headlap of the second course. Begin the fourth course with the remaining partial shingle from row 2 establishing the overall diagonal method. Start the fifth course with a full shingle, repeating the process beginning with a full shingle and starting each succeeding course as described



above. Continue to make your way across the roof, ensuring a 14.6 cm (5 3/4") exposure throughout the roof (see **Figure 32**).

NOTE : Do not align joints of shingle courses when working in cut pieces. Joints should be no closer than 20.3 cm (8") vertically from one another.



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Shingles In Valley :

At the end of the shingle course, cut the last shingle flush with the chalk line. Cut off the upper corner of the shingle to prevent water infiltration between the courses (see **Section 3.5**). Cement the shingles to the valley flashing with BP Asphalt Plastic Cement, and nail as usual.

Hip and Ridge Treatment :

Use Meridian 3-D or appropriate 3-tab shingles of equivalent colour (see **Table 4**) in **Section 5.1**. Ensure shingles are sufficiently warm and flexible to prevent cracking in cold climates.

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