

Lodge of Lodges

Suncadia Lodge in Cle Elum, Washington

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The Lodge at Suncadia, located east of Seattle in Cle Elum, Washington, has been called the “lodge of lodges.” This is a world-class resort built in the Cascade Mountain Range and is part of a 6,000-acre destination resort.

The 358,000-sq.-ft. lodge is an all-inclusive destination resort that also features a spa and a growing number of single-family homes. Designed and constructed to reflect the beauty of its stunning natural surroundings, The Lodge features thick, forest-inspired timbers throughout its interior and large-scale board and batten siding on the exterior. Regional materials such as oak, pine, and fir were used extensively throughout the project to mimic the rugged local atmosphere. Its grandiose stature is outdone only by its location atop a bluff overlooking the Cle Elum River and Suncadia Conservancy, which offers guests uninterrupted views of the beautiful Cle Elum River Valley and nearby Tumble Creek, Suncadia’s private club community.

In an area where wintertime lows often dip below freezing, and summertime highs rarely exceed 80°F, The Lodge at Suncadia not only has to look rugged and tough, but it actually has to play the part as well. The Architectural firm of HKS / Hill Glazier Studios in Palo Alto, California, selected the Malarkey Legacy 50-year architectural asphalt shingle for the 120,000-sq.-ft. roof.

The Legacy product has some unique features that include the extra-wide “zone” nailing area. This design was created in 1999 in order to help the roofing contractor achieve accurate nail placement. This area of the Cascade Range is known for its strong winds and harsh weather so proper placement of the nails is critical for the wind warranty. The large nailing

area is truly the only real change in design since the inception of the laminate shingle back in the early 1970's. The Western States Roofing Contractors Association (WSRCA) awarded Malarkey its coveted Outstanding Service award in recognition of these changes to the product.

The Lodge at Suncadia sits in the heart of the Cascade Mountain Range which is noted for its cold temperature, snow, rain, and, oh yes, even its sunshine. Temperatures in the summer can go from very warm to very cold, accompanied with hail, in a matter of a few minutes. This thermal shock causes products to thermal-cycle at a rapid rate. Extreme temperatures mean thermo-cycling plays a huge part in the shingles' performance. Wood, metal, concrete, asphalt, and granules all have a different expansion and contraction co-efficient. As the 3M granules expand and contract with the changing temperatures, the SBS modified asphalt can move with them giving superior adhesion to the granules. This adhesion allows the Legacy shingle to exceed the ASTM granule retention scrub test by over 75%. The longer the asphalt holds onto the granules, the longer the product will last.

Laminate Shingles are made in two separate pieces and then the manufacturer glues them together with a lamination adhesive. Malarkey uses a special polymerized compound to laminate the Legacy 50-year product together called SEBS. A strong, flexible adhesive is needed to glue two pieces together, and be able to expand and contract without breaking. Malarkey uses two strips of SEBS adhesive in the zone area. This extra-wide zone area can accommodate two strips, giving added barrier protection against wind-driven rain. The advantage of SEBS asphalt is its ability to elongate 1,000% and contract 100% without breaking its bond.

The designers of Suncadia selected a unique insulation system that combines insulation and ventilation. This combination is just what every good roofing system needs for maximum performance. When visiting this

special place with all of its beauty, it is good to know that the occupants will be dry, warm, and safe at Suncadia.

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