

House on the Hill (Private Residence)

Puget Sound, Washington, USA (2004)

BACKGROUND

Nestled neatly in the northern Puget Sound area of Washington State, the House on the Hill was specifically designed to complement its natural surroundings. Included in those surroundings was a grove of 200-year-old cedar trees, placing the House on the Hill among Mother Nature's giants.

Constructed of concrete, the home itself blends seamlessly with its environment, with the concrete's natural color enhanced by the masterful surrounding landscaping and rockwork. When it came to waterproofing the House on the Hill, as the Puget Sound is known for a long rainy season, both the owners and the architects had specific requirements. In order to maintain the natural, yet contemporary feel, SBCH Architects wanted the original look and color of the concrete to remain; meaning no paint, finishing or waterproofing products could be applied to the external walls. However, due to the significant rainfall in the area a reliable waterproofing system was needed to offer lifelong protection, as well as be environmentally responsible.

SOLUTION

After reviewing the various waterproofing options available, the architects decided to use Kryton's Krystol Internal Membrane™ (KIM®) admixture, which could be added to the concrete during batching. KIM was used on the walls of the House on the Hill, as well as in its garage slab.

By eliminating the need for external waterproofing systems, KIM allowed the House on the Hill to retain its natural look. It also enabled the builders to create an effect that had never before been attempted. During a single 12-hour pour, plasticizers and subtle colorants were added at regular intervals to create a wave-like effect in the finished concrete. Not only was the House on the Hill's owners thrilled with the results, but its architects were honored with an Excellence in Concrete Award from the Washington Aggregates and Concrete Association for their innovative design.

OWNER/DEVELOPER:

Private Resident

ARCHITECT

SBCH Architects

ENGINEER:

Skagit Surveying & Engineering
INC.

CONTRACTOR:

Jerry Fulks & Company INC.

DISTRIBUTOR:

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Krystol Internal Membrane™ (KIM®)



KIM was used to waterproof the walls and garage slab.



KIM was able to meet specific architectural requirements other methods could not.