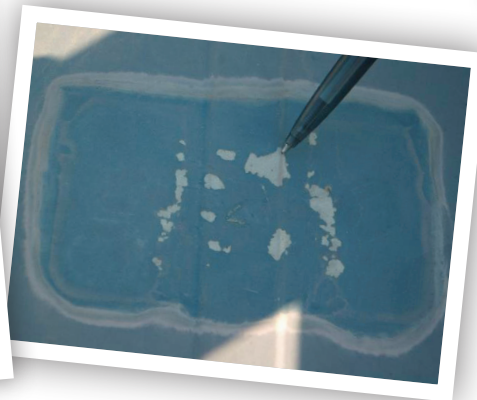


“ We selected the ColorGard system and have not only eliminated the problem (of failing gutter systems) on this project but it allows us to avoid the costs associated with snow and ice damage. ”

Rocky Thompson  
Upson Company



**ColorGard<sup>®</sup> costs less, lasts longer, installs quicker, and looks better than glued-on plastic alternatives.**

**At A Glance:**

**Project:**

Cascade High School

**Customer:**

Upson Company

**Supplier:**

LMCurbs  
www.lmcurbs.com

**Location:**

Cascade, Idaho

**Industry:**

Education

**Situation:**

After years of continuously replacing plastic snow guards on the high school, Upson Co. needed a snow retention system that could be installed once, with no long-term maintenance.

**Results:**

The use of the S-5!<sup>®</sup> ColorGard<sup>®</sup> snow retention system led to a fast and economical retrofit that did not compromise strength needed to hold back falling snow. The contractor was able to complete the installation at about 30% of the cost of other snow retention systems.

**Stats:**

- S-5! ColorGard snow retention system: 2,016 parts
- Previous plastic snow guard system: 10,000 parts\*\*

**■ Danger of Falling Snow**

Cascade High School is located in a mountainous region of Idaho where 2 to 3 feet of snow can regularly accumulate on the roof. With this tremendous snow load, failure of the external gutter system was inevitable. Most gutters cannot bear the weight of freezing water, let alone the force of shedding ice and snow. Snow accumulations on sloped metal roofs can pose significant danger to property and life. Upson Company asked LMCurbs in Longview, Texas, to assist in solving an ongoing snow retention problem.

**■ What Worked?**

LMCurbs' solution was the S-5!<sup>®</sup> ColorGard<sup>®</sup> snow retention system. This system provided the strength that the project demanded and the ease of installation the Upson Company required. The the ColorGard Calculator and load test information found at [www.S-5.com](http://www.S-5.com) enabled the roofing contractor to figure out how much material was needed. The S-5! system required 80% less parts and

came in at 30% of the cost of a plastic snow guard system. Due to the long-term costs associated with reinstalls and replacements of the plastic solution, the actual savings of the ColorGard system was even more pronounced.

ColorGard dramatically reduces the risks associated with rooftop avalanches and maintains the clean, colorful appearance of the roof with color and finish matching. Properly installed, the ColorGard system will last as long as the life of the roof and can be backed by the S-5! ColorGard System Lifetime Limited Warranty. Unlike glued-on solutions, because the S-5! system mechanically attaches to the roof panel, it can be installed at any time of year at approximately 18 to 24 feet per man hour.

**■ Long Term Outlook**

As the Cascade High School case effectively illuminates, when it comes to snow retention, experience can be a great teacher. In time, the solution that may look the easiest is often not the most cost effective, especially when it needs to be replaced every few years.

\*See Optional Limited Lifetime Warranty information on the S-5! website at [www.S-5.com](http://www.S-5.com)

\*\*Estimated count based upon onsite visit.