



Nucor Features & Benefits

Features

1. The Ridge is an expansion joint in every direction.
2. The Ridge cap comes in twenty foot sections.
3. End Dams that cap the panel ends are heavy 16 gage Galvalume®. We know of no one in the market who has a heavier piece.
4. Each End Dam is connected to a 16 gage Back Up Plate.
5. Mastics are pre-cut for the assembly.
6. Roof can run from left to right or right to left.
7. Ridge Vents are easily installed at the ridge.

Benefits

1. This allows the roof to move with thermal response. The roof not only expands, but it also contracts. This is why the pitch is steep.
2. Longer pieces mean fewer joints. This makes the erector's work more dependable.
3. Die formed pieces are quality parts designed by Nucor Engineers to make a firm connection.
4. The Back Up Plate compresses the mastic between the panel and the End Dam. The Back Up Plate has pre-punched holes and patented holding tabs. These details help the erector do a quality job.
5. Pre-cut mastics help the erector make the seal properly.
6. This is a key point. Some jobs require phasing to cover machinery or join to an existing building. This helps the project manager keep the project on track.
7. Everyone wants their job to be easy. Nucor Engineers keep this point at the front of what they do.

What You Should Know

1. Most roofs are installed in the summer when temperatures are high. Knowing the roof will contract during the winter, it is good that the erector "crown" the cap in anticipation of this characteristic.
2. Many erectors do not cope the panel as they install the End Dam. This is problematic.
3. End Dams must be installed as the roof is placed. Do not allow panels to be placed without placement of End Dams.
4. Since the Ridge is an expansion joint, never place a roof curb at the ridge.
5. The lap of the Ridge Cap is not designed for screws. See the erection manual for sealant placement. Screws will back out when installed.