



Valley Sealing

Efficient valley construction has always been and remains an important element to ensure the integrity of the roofing system.

The manufacturing industry as well as all associations involved in the development of adequate building techniques have tested and proven sure-fire methods to ensure perfect sealing of this part of the roof.

Whether the valley is open or closed, it is essential that the ends of all shingle rows be embedded in a strip of plastic cement, starting from the metal flashing and overlapping the hidden part of the shingle.

BP, as all the industry stakeholders, recommends open valley construction with its shingles.

The industry standard (CSA 123.51) requires, for open and closed valleys, that a waterproofing membrane be applied in the centre of the valley, a metal flashing (24" minimum) be secured in its centre, and that the underlayment overlap the flashing over 6" minimum. The standard also specifies that each row of shingle be embedded in a coat of plastic cement to make sure there is no water (runoff or wind-driven) creeping up under the shingles.

New ways of treating valleys have emerged these past few years, which do not meet industrial requirements. Some have little impact on the performance of an installed system (24", 20" or even 18" flashings), others may have serious consequences - **applying plastic cement to each shingle end in the valley** is essential to good system performance.