

Welding Noiseless Aluminum Diamond Plate – Examples



Figure 1 - Overview



Figure 2 - Corner Detail

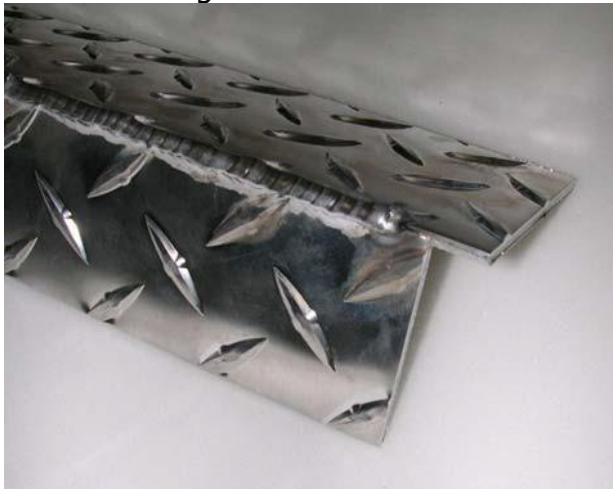


Figure 3 - Hand Sample showing Chamfered edge



Figure 4 - Folded edge/ welded corner

The key actions are to grind the 90° edges so they meet at 45°. The welding was then done horizontally using TIG welding so that the feed bar could be accurately controlled.

Bending the Diamond plate also proved to be a little tricky as the raised areas stopped the V-Block from creating a 90° angle, so the bend had to be hit a second time using a V-Block suitable for about a 120° angle so that the blade only touched in the corner.