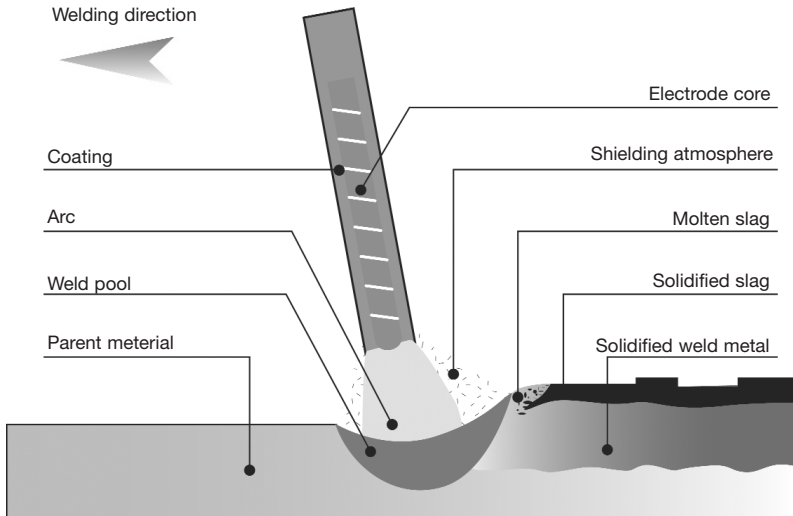


## Shielded Metal Arc Welding / Stick (M.M.A.) Welding



*In this welding process, an electric arc is created between a coated consumable electrode and the work piece to be welded, causing the parent material to be fused together and the electrode to melt. The electrode is of similar material as the parent material, and by melting provides the weld (or joint) with a reinforcing filler material. The electrode may be coated with basic, rutile or cellulose material, and as the coating burns it protects the arc and weld pool from the atmosphere with a gaseous shroud, the slag which solidifies over the newly deposited weld also protects it from the atmosphere.*