

Shielded Metal Arc Welding

SMAW

Also called Stick welding and manual metal welding is an electric arc welding process that produces coalescence of metals by heating them with an arc between a covered consumable metal electrode and the work. Shielding is Obtained from decomposition of the electrode covering. The process is normally manually applied and is capable of welding thin and thick steels and some nonferrous metals in all positions. The process requires a relatively high degree of welder skill.

