Flux Cored Arc Welding

FCAW

Also known as Dual-Shielded, inner-shield, Self-Shield, open Arc, etc., is an electric arc welding process that produces coalescence of metals by heating them with an arc between a continuous flux filled electrode wire and the work. Shielding is obtained through decomposition of the flux with in the tubular wire. Additional shielding may or may not be obtained from an externally supplied gas or gas mixture. The process is normally applied semi-automatically, but can be Applied. Automatically or by machine. It is commonly used to weld medium to thick steels using large diameter electrodes in the flat and horizontal position and small electrode diameters in all positions. the process is used to lesser degree, for welding stainless steel and for overlay work. The skill level required for FCAW is similar to GMAW.