

Flux cored wires:

The cored wire process is fundamentally same as MIG/MAG welding and utilizes the same equipments as that for solid wire but of a larger capacity in some cases. Variations can be accommodated to suit specific applications and requirements easily as that involves only changing the filling recipe and percentage. This process offers more flexibility with genuine increases in productivity. The deposition rate is much higher than that for solid wires because the current density is much higher as the current carrying cross section is very small.

The self – shielded flux – cored wires have the following advantages:

- ✚ Higher deposition than MMAW electrodes
- ✚ No requirement for special purpose welding equipment and shielding gases
- ✚ Good and clean weld appearance and easy slag removal
- ✚ It can be used either constant – current or constant – voltage characteristic power sources

