

Welding Consumable

Stick electrodes, Solid wires, Flux-cored wires, SAW wires, Fluxes, Others (including gases, etc.) standard welding equipment, consumables, and automation equipment, as well as cutting machines

Welding is the process of joining metals and thermoplastics by means of coalescence. It is an economical and effective process for creating strong joints between two or more parts. Filler metals melt during welding to create a strong joint. Flux is commonly used to produce a shield of gas around the weld pool to prevent oxidation of the hot metals. Flux typically acts as a deoxidizer preventing the formation of porosity in the weld pool. Flux and filler metals together are known as welding consumables.

Stick electrode, flux-cored wires, solid wires, SAW wires and fluxes are some of the welding consumables employed during the welding process. However, flux does not form part of the final weld and so is 'wasted' during the course of welding.

Welding finds application in a number of industries such as; building and construction, automobile and transportation, marine, power generation, and oil and gas.

