

## Flux and its purpose →

In soldering of metals flux serves threefold purpose.

It removes any oxidized metal from surfaces to be soldered, seals out air thus preventing further oxidation, and facilitates amalgamation improves wetting characteristics of the liquid solder.

In metallurgy, a flux is a chemical agent, flowing agent, or purifying agent.

Advantage → ① The versatility and low cost of wet welding makes this method highly desirable.

② Other benefits include the speed, with which the operation is carried out.

③ It is less costly compared to dry welding.

Limitations →

① The habitat welding requires large quantities of complex equipment and much support equipment on the surface.

② The chamber is extremely complex, cost of habitat welding is extremely high and increases with depth.

③ Work depth has an effect on habitat welding.