



# What is a brazing flux ?

## Definition

A brazing flux helps filler metal adhesion on base metal:

It enables:

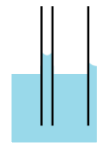
- to remove oxides on surfaces to join,
- to protect workpieces from oxide during brazing stage,
- to ensure a good wettability of the filler metal on workpieces to assemble.

## Main related Physico-chemical phenomena

Wettability



Capillarity



Diffusion



## Main characteristics during brazing stage

A lower melting point (at least 50°C) than the filler metal

Attacks oxide layer

Facilitates spread and penetration of the filler metal

Protects bare metal surfaces from oxidation

## No universal flux

A base metal

A filler metal

A heating process

A specific flux