SOLID - LIQUID STATE WELDING

HETEROGENEOUS WELDING: The process of joining olis-similar metals using filler rod is called heterogenous welding.

Brazing is a process of joining two pieces of metal ineshich a non-ferrous alloy is introduced in a liquid state blusthe workpieces to be joined and allowed to solidify. The melting point of the filler metal is above 450°C but lower than the melting temp of the parent metal.

- filler material is an alloy of cut In, cut Al, cut Ag is known as "Spelter".

Application:

- Brazing is used for fastening of bibe fittings, tanks, carbide tipe on tools, radiators, heat exchangers, electrical parts etc.

-Used to join Band saus, part of biggle such as frame and.

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BRAZE (Or BRONZE) WELDING!

Braze welding is the process of joining the metals like brazing using a filler metal [contains 60%. On + 404. Zin (Bronze)]

- Used in Automobiles industries, bicycles industries, refrigerators and household appliances.

-for metals like steel, cast iron, copper, brass and bronze.

BRAZE WELDING / BRONZE WELDING



[180-250°e) SOLDERING . soldering is a process of joining two pieces of metals inwhich a fusible alloy or metal is introduced in a liquid state blow the culp to be joined and allowed to solidly. The melting point of the filler metal is below 450°C. The filler metal is called the solder fread thin] flua metal used in "Zinc Chloride" and "Ammonium Chloride". NHyloy. Zncli Application: - fabrication of electrical + electronic circuits and PCB / Printed Circuit Boards) - Radiator brass tubes for motor car. - Copper taking carrying liquid fuel, gas or air used an engines. composition of some of the solders. Lead (hov) 63 y, (Gor) Soft Solder 50 y. 50 y. Mediun 584. (604) 424. (40x) Electrician 7 30 V, plumber's 70% Circuit Board