Tinning Process

Tinning

It is the process of applying a protective Sn (Tin) coating to steel or iron, to prevent rusting. The common method of applying coating.

Process

- 1. Iron sheet first cleaned with conc. H₂SO₄ to remove acidic impurities.
- 2. Then with the help of rollers sheet is passed into water and washed with water.
- 3. Then it is dried in drying chamber.
- 4. It is then passed into $ZnCl_2$ flux to increase adhereness of tin on iron.
- 5. Then sheet is passed into molten tin where coating of Sn is made on iron sheet.
- 6. Then it is passed from Palm oil to prevent from further oxidation.

Cleaned Iron Shee	ZnCl2 Flux	Sn Coated Sheet
Molten Sn		Palm Oil

Downloaded from- <u>www.abhijitgurav.wixsite.com/1234</u> For more information visit – <u>www.youtube.com/c/chemistrylearners</u>

Page 2 of 2	Corrosion and Its Prevention
O	
	vw abhijitaurav wixsite com/1234

Downloaded from- <u>www.abhijitgurav.wixsite.com/1234</u> For more information visit - <u>www.youtube.com/c/chemistrylearners</u>