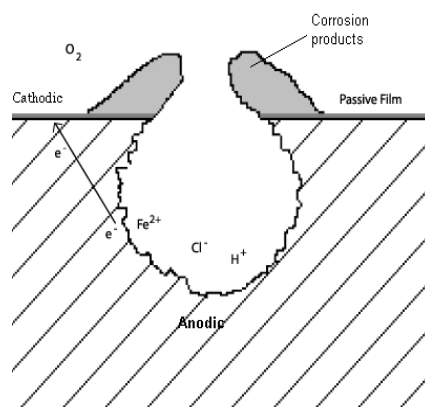


Pitting and intergranular corrosion

Pitting Corrosion

- Pitting corrosion is extremely localized corrosion that leads to the formation of small holes in the metal.
- A small area of pit or hole becomes anode while the other large area becomes cathode.
- Pitting can be takes place due to a small surface defect or scratch or damage to the protective coating.
- A single pit can cause large damage.

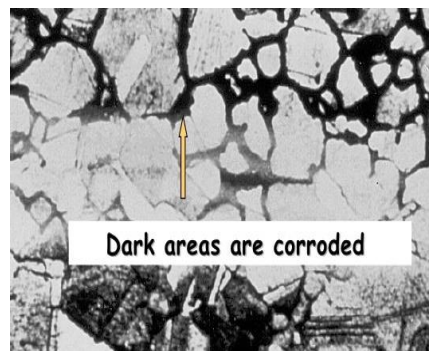


Actual example of Pitting corrosion



Intergranular corrosion

- This corrosion observed where the boundaries of crystallites of the material are more susceptible to corrosion than their insides.
- In the presence of tensile stress, cracking may occur along grain boundaries.
- It is observed in the case of weld decay.



Actual example of intergranular corrosion

