



Institute of Refractories Engineers

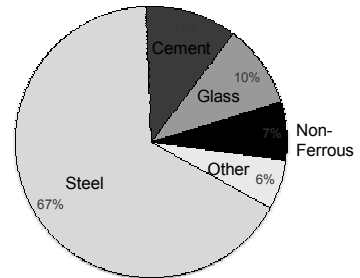
STEELMAKING REFRACTORIES

Training Day 2010
Rotherham

Sam Franklin – Eagle Refractories



Refractories Usage by Industry



Usage by weight



Types of Refractories Chemical Classification

Classification of Refractories.

Acid

Silica
Mullite
Fireclay
Andalusite

Acidic or Siliceous
Slags.

Neutral

Alumina
Bauxite
Zirconia
Carbon

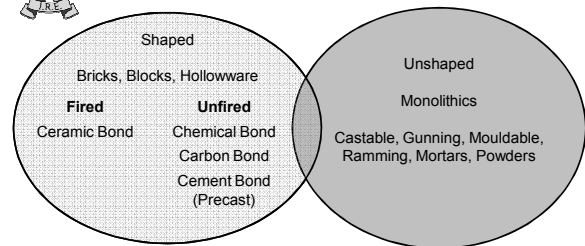
Basic

Magnesia
Doloma
Magnesia-Chrome
Magnesia-Carbon

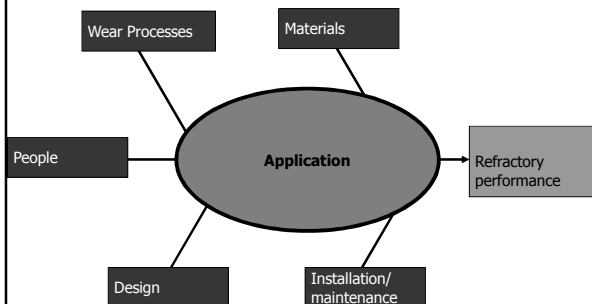
Basic or Limey
Slags.



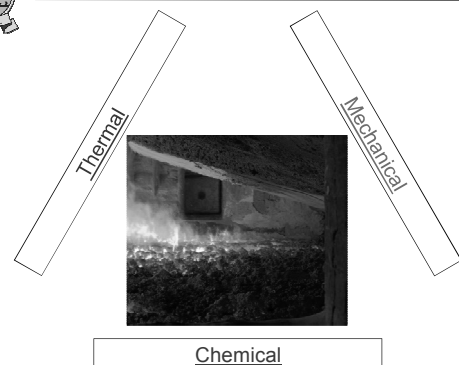
Types of refractories Classification by Form

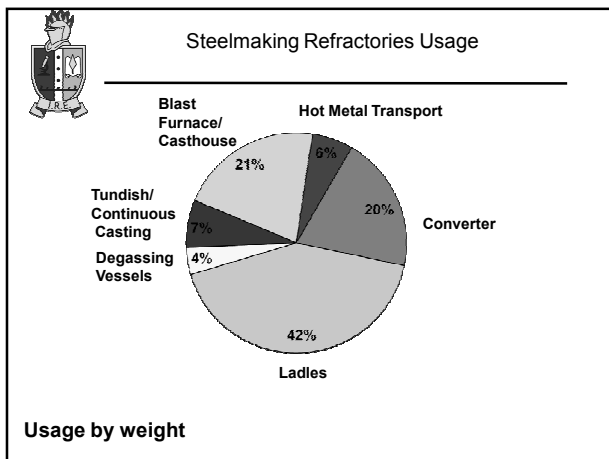
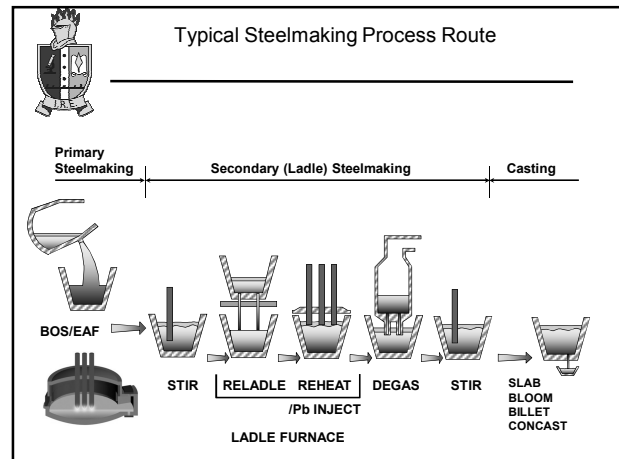
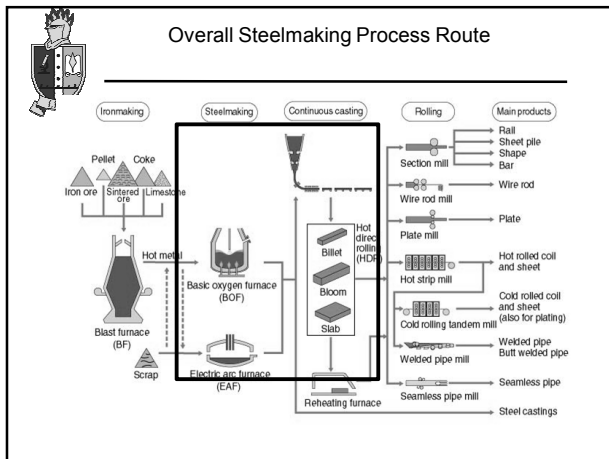


Recap: Why don't refractories last forever?



Main wear mechanisms





Thank you for your attention.