

# ANTISCALLANT & GRINDING AID

Mineral Processing Solutions for Mineral  
Deposition Prevention & Dispersion



**POWER**  
CHEMICAL SERVICES



# Manipulation of Scale & Mineral Deposition on Your Command

Scaling caused by mineral deposition due to high pH or temperature is a common problem in the mineral processing industries. These scales can be prevented by our **POWER SCALE-X™ antiscallant or dispersant** product to prevent the scales from depositing on your piping or furnace jacket surfaces.

Via the same dispersion method we developed our proprietary **POWERGRIND™ Grinding Aid** product, in order to enhance the mill throughput efficiency of your grinding purposes via prevention of the intended mineral from agglomerating and slowing the required size



Our **Antiscallant & Grinding Aid Products** are a perfect fit for :

- Gold Mineral Heap Leaching Process
- Copper/Nickel Mineral Heap Leaching Process
- Cooling Water Pipes for Ferronickel Electric Furnaces
- SAG Mill/Ball Mill for various Mineral Processing

# Our Chemical Products

## **POWER SCALE-X™ : Antiscallant for Prevention of Mineral Scale Deposition**

Our **POWER SCALE-X Antiscallant** are able to prevent scaling formation significantly in a high pH or low pH system of a mineral processing. Our various mineral antiscallant chemistry are able to protect your mineral processing from severe problems caused by excessive scaling.

### **Benefit from our POWER SCALE-X Product :**

- Prevent Carbonate & Sulfate scaling on high pH gold heap leaching system
- Increase gold adsorption in a carbon elution column by preventing scaling on an activated carbon surface
- Prevent Gypsum scale on a copper heap leaching process

## **POWERGRIND™ : Grinding Aid for Improving your Grinding Mill Throughput & Efficiency**

Via solid dispersion & charge repulsion mechanism, our **POWERGRIND™ Grinding Aid** chemicals from various chemistry are able to maximize your ore mineral grinding process efficiency by making a better control of particle size while reducing milling time & reducing the energy required for the process.

### **Benefit from our POWERGRIND Product :**

- Disperse grinded mineral ore particles preventing them from further agglomeration
  - Increase grinding mill (SAG, Ball, Rod Mill) throughput & efficiency
  - Lower the outlet slurry viscosity of the produced slurry
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