



# Where Precision Meets Production Power

Red Lead ( $Pb_3O_4$ )  
– Specification-Based Manufacturing

## ACM Refineries (Pvt) Ltd. *Pakistan's First Fully Automated Red Lead Manufacturing Facility*

ACM Refineries (Pvt) Ltd. operates Pakistan's first fully automated Red Lead manufacturing facility, setting a new benchmark in furnace-based industrial oxidation technology.

We specialize in controlled batch manufacturing of Red Lead ( $Pb_3O_4$ ), delivering industrial-grade production aligned with client-approved technical specifications.

### **Production Capacity**

Up to ~ **300** Metric Tons Per Month (Approx.)

### **Manufacturing Model**

Minimum Production Batch:

2.5 Metric Tons per Furnace Cycle

Furnace-based controlled batch production.



# Your Specification. Our Manufacturing Precision.

## Red Lead ( $Pb_3O_4$ )



### Standard Market Grade:

ACM 95% Red Lead  
( $Pb_3O_4 \geq 95\%$ )

### Custom Manufacturing Capability:

$Pb_3O_4$  Range: 85% – 95%  
Manufactured against confirmed industrial specification.



## Applications Red Lead

- ◆ Lead-Acid Battery Manufacturing
- ◆ Anti-Corrosive Industrial Coatings
- ◆ Ceramic & Glass Flux Applications
- ◆ Chemical Processing & Catalysts
- ◆ Pigments & Specialized Industrial Use

Red Lead is supplied as either:

- ◆ ACM Standard Grade (95%), or
- ◆ Custom Grade (85%–95%) manufactured against confirmed specification.

Minimum batch commitment applies per furnace cycle.

## Technical Manufacturing Capability

(Typical Controlled Range):

- ◆  $Pb_3O_4$  Content: 85% – 95%
- ◆ Controlled Oxidation Furnace Process
- ◆ Consistent Batch Integrity
- ◆ Adjustable Particle Characteristics
- ◆ Moisture Controlled per Requirement



# Why Choose ACM Refineries?



## **Pioneering Facility:**

Pakistan's first fully automated red lead manufacturing plant.



## **High Capacity:**

3,600+ tonnes annual production, covering local demand and reducing imports.



## **Consistent Quality:**

Strict QC with COA (Certificate of Analysis) provided for every batch.



## **Flexible Grades:**

Full range from 85% to 99.9% purity.



## **Sustainable Practices:**

Environmentally conscious operations aligned with global standards.

## Product Packaging



- ◆ Standard: 25 kg capacity polypropylene woven bags with fine inner liner and outside printing
- ◆ Palletized and stretch-wrapped for safe handling
- ◆ Jumbo bags available on request



# ACM

GROUP OF INDUSTRIES



**REFINERY:**  
Plot # 36A, Phase III,  
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