



# EPOMIX PSA 1003

## Strength Enhancer, Water Reducer and Grinding Aid Cement Admixture

### PRODUCT DESCRIPTION

Strength enhancer, water reducer and grinding aid cement admixture.

### CHARACTERISTICS

**EPOMIX ERZ 1003** increases the grinding efficiency and capacity. Also effecting the reactions of hydration, it improves the mechanical strengths of cement. Optimizes the clinker usage. Decreases the water need of cement. Increases in hourly production of mill is a result of dispersion effect.

**EPOMIX ERZ 1003** decreases the agglomeration occurred during the grinding

### APPLICATION

Grinding of cements type I to V, according to TS EN 197-1

### USAGE

**EPOMIX ERZ 1003** is applied by means of a dosing pump. Depending on the process type, **EPOMIX ERZ 1003** is applied in the first / second step or on the clinker belt. The discharge of dosage pump should be controlled periodically not to filled with cement.

### TECHNICAL SPECIFICATIONS

**Form** : Liquid

**Colour** : Dark Brown

**Density** :  $1.175 \pm 0.03 \text{ gr/cm}^3$  (20°C)

**PH** :  $8.0 \pm 1.5$

**Cl - ions Content % :**

< 0.1 (EN 480-10) (According to the report B.30.2.İTÜ.  
0.50.00.00/4621 of İTÜ)

**Freeze harm** : Complete

Stir or agitate the container before use.

**Freeze temperature** : 0 °C

**Boiling point** : 100 °C

**Odor** : Mild odor

**Toxicity** : None

**Flammability** : None

**Clean-up** : Water

**Fumes during treatment** : Slight

**Environmental Hazards** : None

### Consumption :

Quality - **EPOMIX ERZ 1003** is used in a range of 0.025 to 0.110 liter per 100 kg of the cementitious material weight (Depending on cement mill evolution)

### Relevant Standards :

TS EN 197-1

### Packing :

Plastic jerrycan (30 kg), Drums (250 kg), Bulk (storage tanks can be provided for Bulk use)



### Shelf Life:

12 months indoors, without opening original package. The product should be stored in a cool, dry storage. Do not store at temperatures below 10 °C or in direct sunlight.

### SAFETY PRECAUTIONS

As with all construction chemical products, adequate precautions and care must be taken during usage and storage. Avoid direct contact with foodstuff, eyes, skin, and mouth. Keep away from children and animals. Any direct contact with skin, eyes, etc. should be washed thoroughly with clean running water and soap. Use proper safety wear, goggles, and mask, etc..

### TECHNICAL ASSISTANCE

**EPO Gulf Chemicals** technical department with its highly trained and qualified Chemicals Marketing Advisory team provides a complete service in the field. Please consult your nearest service/sales department for assistance. Field services where provided, do not constitute any supervisory responsibilities.



### NOTICE

The information given in this publication is based on present state of our knowledge. Any recommendations and suggestions are made without guarantee since the conditions and procedures are beyond our control. Buyers and users should make their own assessment of our product under their own conditions and for their own requirements

