



Pentamax Cement Grinding Aid

Consists of specially formulated blends of glycol based and other inorganic chemicals. Developed for use as a grinding aid and pack set inhibitor for Portland Cement and other hydraulic cements.

Significantly improves grinding process efficiency by reducing the surface energy forces that cause agglomeration of the newly fractured cement particles.

Type of Products:-

(a) Quality Improver :

Early strength improver : PENTAMAX-10i

Late strength improver : PENTAMAX-20 &
PENTAMAX-28

(b) Increase Cement Mill Capacity :

PENTAMAX-10 & PENTAMAX-12

(c) Increase Raw Mill Capacity :

PENTAMAX-22 & PENTAMAX-46

Main Customer List

- PT. Indocement Tunggal Prakarsa
- PT. Semen Padang (Semen Gresik Group)
- PT. Semen Baturaja
- PT. Supersonic Chemical Industry
- PT. Holcim Indonesia
- Australia
- Fiji

⦿ Pentamax Benefits & Advantages

- Increase mill output.
- Increase cement / product flowability.
- Reduce grinding costs.
- Reduce pack set index.
- Higher cement strength.
- Support company's goal by increasing sale.
- Reduce total cost of company.
- There is a chance to add additional additive in the product (for blended cement type).

⦿ Application & General Recommendation

- Should be applied in dosage rate vary from 0.02% to 0.04% by weight of cement.
- Suitable dispensing pump with adjustable flow rates should be used for optimum performance.
- Dilute with 2 parts of water or more prior to spraying onto the mill feed belt to ensure greater proportioning accuracy and better grinding aid distribution.

PENTAMAX-12 Cement Grinding Aid

Description

PENTAMAX-12 is a family of products consists of specially formulated blends of glycol based and other inorganic chemicals. The product is developed for use as a grinding aid & pack set inhibitor for Portland Cement and other hydraulic cements. PENTAMAX-12 significantly improves grinding process efficiency by reducing the surface energy forces that cause agglomeration of the newly fractured cement particles.

Characteristics

Appearance : Brown liquid.
Specific Gravity : 1.100 – 1.130
pH at 25°C : 8.0 – 11.0
Foaming Tendency : None.

Application and General Recommendations

PENTAMAX-12 should be applied in dosage rate vary from 0.02% - 0.04% by weight of cement. Suitable dispensing pumps with adjustable flow rates should be used for optimum performance. It is recommended to dilute with 2 parts of water prior spraying onto the mill feed belt to ensure greater proportioning accuracy and better grinding aid distribution.

Advantages

- Increased mill output
- Increased Cement flow ability
- Reduced grinding costs.
- Higher cement strengths.

Packaging

Normally supplied in 235-kg fixed head steel drums or in bulk by tanker truck. It contains no flammable materials.

Storage, Handling.

PENTAMAX-12 should be kept in closed container. Personal Protective Equipment (rubber gloves & safety goggles) should be used when handling this product.

Environmental, Health, Safety Data

Consult the Material Safety Data Sheet

All information presented in this document is believed to reliable and to represents the best available data on these products. It is offered for the user's consideration, investigation and verification but since the conditions of use are beyond our control, we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale including those limiting warranties and remedies, which apply to all products, supplied by us. No statement, recommendation or suggestion is intended for any use, which would violate or infringe statutory obligations or any rights belonging to a third party.



CEMAX Engineering Sdn. Bhd. (671251-H)

A-305 & A-306, 3rd Floor, Block A, Kelana Square, No. 17, Jalan SS7/26, Kelana Jaya, 47301 Petaling Jaya, Selangor, Malaysia.

(t): +603-7492 3800

(f): +603-7492 3801

(e): info@cemax.com.my

(w): www.cemax.com.my