



TIMM-CEM 34/50 GA

Cement additive engineered for reduction of unit grinding energy and increase of mill throughput

Description of Product

TIMM-CEM 34/50 GA is a liquid, ready-to-use Grinding Aid for cement. It neutralizes the agglomeration forces between fractured crystalline cement particles that are produced during the milling process. The resulting dispersion effect improves grinding and separation efficiency, thus, promoting the development of fineness and cement powder flowability.

These benefits can be used for lowering unit grinding energy cost and for increasing mill throughput. Typical grinding efficiency improvement is in the range of 10-25% vs. plain control. However, product performance is dependent on grinding equipment characteristics, process conditions, raw material properties and cement type. To best benefit from cement additives, mill and separator process parameters may need to be adapted.

TIMM-CEM 34/50 GA improves the flow characteristics of cement with positive impact on cement conveyance and reduction of pack-set in storage silos.

Fields of Application

TIMM-CEM 34/50 GA is developed for application in the cement grinding process in:

- Ball mills (closed and open circuit)
- Vertical mills
- Other cement grinding systems

Features and Benefits

TIMM-CEM 34/50 GA offers the following benefits to cement production:

- Cost reduction due to lower unit grinding energy (kWh/t) and decreased specific maintenance cost. Use of low-cost energy tariffs and transfer of production to more efficient mills.
- Capacity extension due to higher mill throughput. Flexibility to satisfy peak market demands. Postponing or avoidance of investments for grinding capacity increase.
- Improved cement handling due to faster cement conveyance through the plant and in the distribution logistics. Reduction of plant stops and optimized storage in silos.

Technical Data

Appearance: Brownish liquid

Density @ 20°C: 1,160 +/- 0,03 g/cm³

pH-value @ 20°C: 5 +/- 1

NOTA:

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