

OPTEVA[®] CBA 6800

Quality / strength-enhancing additive

Product Description

OPTEVA[®] CBA 6800 is a chemical additive used as a cement constituent (European Standard EN 197, point 5.5) to improve the manufacture and properties of cements.

Recommended Addition Rate

The addition rate of OPTEVA CBA 6800 is typically in the range of 450 to 600g / t of treated cement. However the optimum addition rate of OPTEVA CBA 6800 depends on the characteristics of the material and the grinding circuit and is normally assessed through industrial tests. GCP personnel are available for assistance.

Deviation from the optimum cannot guarantee the expected results and could have an impact on cement characteristics.

Overdosing can lead to a reduction in mill retention time and a possible loss of grinding efficiency, together with “mill flushing” and excessive flowability.

Product Advantages

- OPTEVA CBA 6800 is a grinding aid for cement, which reduces the tendency of re-agglomeration of the fine particles, formed during the comminution process.
- OPTEVA CBA 6800 permits improvements to the flowability of the finished cement, the efficiency of the mill and separator, and thus increases the production rate with a corresponding reduction in grinding energy consumption.
- Cement produced with OPTEVA CBA 6800 has a lower pack-set tendency and hence can provide advantages during loading and unloading operations.

Physical Properties

| | |
|---------------|---------------|
| Appearance | Brown liquid |
| Density (g/L) | 1,060 - 1,080 |
| pH | 11.0 - 13.0 |

Typical Applications

OPTEVA CBA 6800 can be used for the grinding of most cements in open and closed circuit systems.

Mill applications are:

- Portland cements
- Portland blended cements
- OPTEVA CBA 6800 has particular benefit in the production of limestone blended cements because of its good grinding efficiency and improvement to late strength.

How To Use

OPTEVA CBA 6800 should be added on to the feed belt or injected pure or diluted (also with the cooling water) into the mill. For an accurate proportioning of OPTEVA CBA 6800 a volumetric metering pump is suitable. Should conditions require using more than recommended addition rates, please consult your local GCP representative.

Packaging

OPTEVA CBA 6800 is supplied in 205L drums, in 1,000L plastic containers or bulk. Shelf life is at least 24 months if stored in manufacturer's containers.

Precaution For Storage

OPTEVA CBA 6800 does not require particular precaution for storage. However it should be protected from freezing. For tanks and containers placed outside a heating system or a re-mixing device is recommended. It is also better to insulate exposed pipelines.

Health and Safety

Read and understand the product label and Safety Data Sheet (SDS) if handling the product directly. All users should acquaint themselves with this information prior to working with the product and follow the precautionary statements. SDSs can be obtained by contacting your local GCP representative or office.

OPTEVA CBA 6800 may degrade Polyvinylchloride (PVC) and other plastic materials. For further advice please read SDS. Accidental release or spillage to be absorbed with an inert, non- combustible material, such as cement, sand or sawdust. Tanks and containers can be cleaned with water.

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