

# **MA.G.A./M**

## **MApei Grinding Aid /M Pack-set inhibitor for minerals and raw materials**

### **DESCRIPTION**

**MA.G.A./M** is a high-efficiency grinding additive, normally used for increasing the mill output and improving the quality of the ground materials (granulometry and dry flowability).

This concentrated additive is based on accurately selected raw materials in order to guarantee constant quality and high performance.

### **CHARACTERISTICS**

**MA.G.A./M**, thanks to its polar nature, notably reduces the attraction forces of ground particles, which are the main cause of agglomeration inside the mills (pack-set). The disappearance or the remarkable reduction of pack-set phenomena, favourably modifies the granulometric curve of the finished product and allows the desired fineness level to be obtained. Moreover, dry flowability is improved.

MA.G.A./M is suitable for all types of raw materials and mills, but better results are obtained when used in tubular mills grinding dry materials.

### **UTILISATION**

**MA.G.A./M** can be successfully employed in all cases of pack-set (not due to humidity) inside tubular mills, particularly during grinding of raw meal, limestone (not for special applications like controlled dielectric constant or food grade) and various minerals.

Mill output increases may vary generally between 3% and 15%, depending on the fineness, the available grinding system, the mineralogical composition, the additive dosage etc.

*Note: when grinding limestone for special applications or food grade, please refer to the specific additives available in the MA.G.A./M family.*

### **CHEMICAL-PHYSICAL DATA**

Please refer to the appropriate safety data sheet.

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**DOSAGE: 0,1-0,5 kg/t**

We recommend the higher dosage threshold in case of high fineness. The additive dosage, in any case, has to be optimised through a reliable industrial trial, preferably with the help of our Technical Assistance Group.

The correct dosing point of MA.G.A./M must be determined for every specific grinding system. Generally speaking, the additive should be added directly on the material on the feeding conveyor belt.

**PACKAGING**

MA.G.A./M is available in 1.000 litre IBC tanks and in bulk tank trucks.

**STORAGE**

The additive must be stored at a temperature above 2°C. In normal conditions MA.G.A./M shelf life is at least 24 months.

**TECHNICAL ASSISTANCE**

The technicians of our Technical Assistance Group are at full disposal of the customers in order to optimise the grinding circuit and the additive dosage during industrial trials.

**SAFETY INSTRUCTIONS**

During the usage of MA.G.A./M it is recommended to respect the usual rules of industrial hygiene and manipulation of chemical products. For further information, please refer to the Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE ONLY.

**WARNING**

*N.B. – Although the technical details and recommendations contained in this product report correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical applications: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.*

**REACH**

Mapei Cement Additives are fully REACH-compliant.

**CUSTOMS TARIF**

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