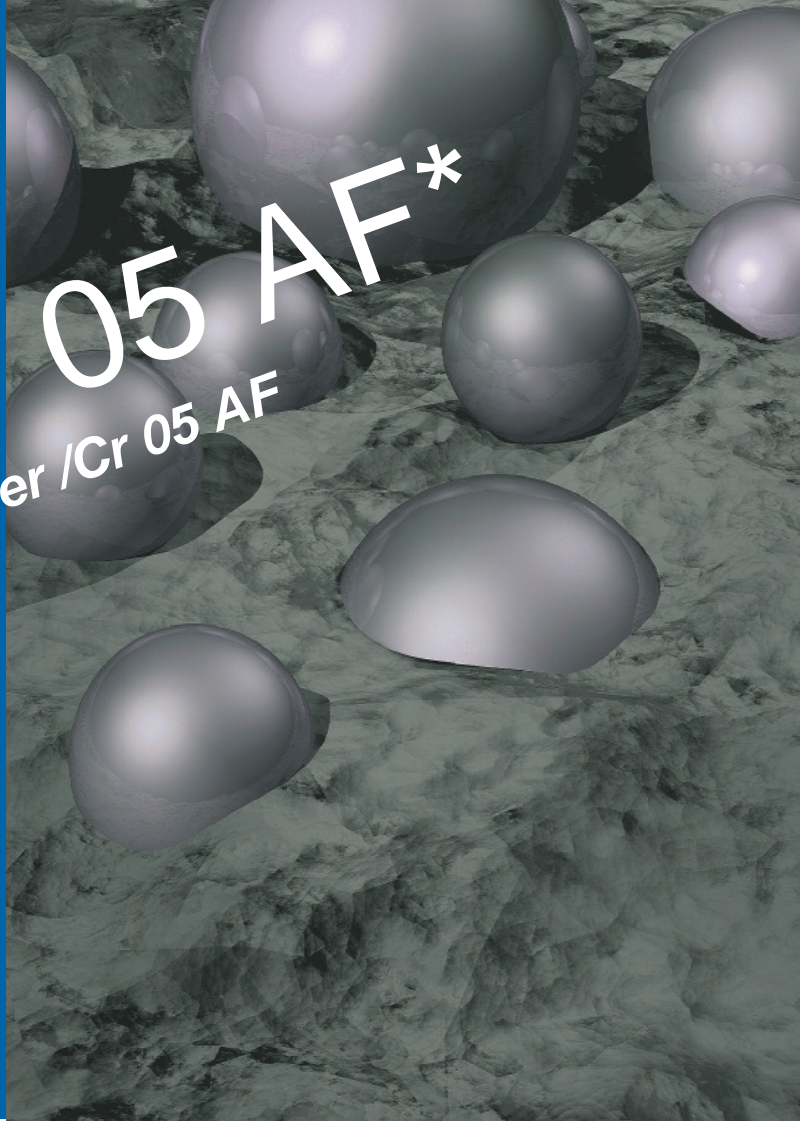




MA.P.E./Cr

MApei Performance Enhancer /Cr 05 AF
Cr(VI) Reducing Additive



05 AF*

DESCRIPTION

MA.P.E./Cr 05 AF* is a chromate reducing agent, resistant to low temperatures (up to $-15\text{ }^{\circ}\text{C}$) formulated with selected raw materials, ensuring an elevated and constant quality.

MA.P.E./Cr 05 AF* is a liquid additive which has to be added to the mill during the cement grinding process. It ensures the production of cements without Cr(VI), according to European obligation 2003/53/EC.

CHARACTERISTICS

MA.P.E./Cr 05 AF* guarantees, besides advantages coming from the usage of a liquid product, an efficient and stable reduction of soluble chromates in cement and hydraulic binders.

It is an absolutely innovative liquid product, based on antimony*, dispersed on to clinker and other raw materials during the grinding of cement.

During cement hydration the reducing agent acts on soluble chromates, transforming Cr(VI) into Cr(III).

In comparison with traditional Cr(VI) reducing additives, MA.P.E./Cr 05 AF* has an alkaline pH.

APPLICATIONS

MA.P.E./Cr 05 AF* can be successfully employed in cement or hydraulic binders and in general wherever it is necessary to reduce Cr(VI).

The additive must be used only during grinding, added on to the clinker conveyor belt or directly in first chamber. In any case it should be added as close as possible to the mill entrance, avoiding long and complicated distances which could cause a loss of additive before mill entrance.

It is recommended to avoid mixing MA.P.E./Cr 05 AF* with grinding aids normally employed in cement factories.

Under normal cement storage conditions and applying a dosage based on grinding plant conditions, the reducing action shall remain unchanged for at least six months.

MA.P.E./Cr 05 AF*

CHEMICAL-PHYSICAL DATA

Please refer to the appropriate safety data sheets.

DOSAGE:

The dosage depends on Cr(VI) cement content and plant type. Generally speaking we suggest a dosage of 50 g/t for each ppm of Cr(VI) existing in cement.

The optimum dosage, in any case, has to be found through a reliable industrial trial, preferably with the help of MAPEI Cement Additives Division technicians.

PACKAGING

MA.P.E./Cr 05 AF* is available in bulk (only full truck loads), plastic tanks (1.200 kg net) and in iron drums (240 kg net).

STORAGE

This additive when stored correctly can be used up to four months.

Avoid temperatures below -15 °C and above 50 °C. Store plastic tanks tightly closed and away from direct sunlight and heat sources.

Avoid adding water to the product and any other possible contamination. In particular, avoid mixing MA.P.E./Cr 05 LV* with any other additives for the reduction of hexavalent chromium

DOSAGE SYSTEM

MA.P.E./Cr 05 AF* can be dosed by means of peristaltic or membrane pumps.

TECHNICAL ASSISTANCE

MAPEI Cement Additives Division technicians are available to cement factories, in order to optimise the dosage and grinding circuit during industrial tests.

SAFETY INSTRUCTIONS

To safeguard the employees health it is sufficient 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.

WARNING

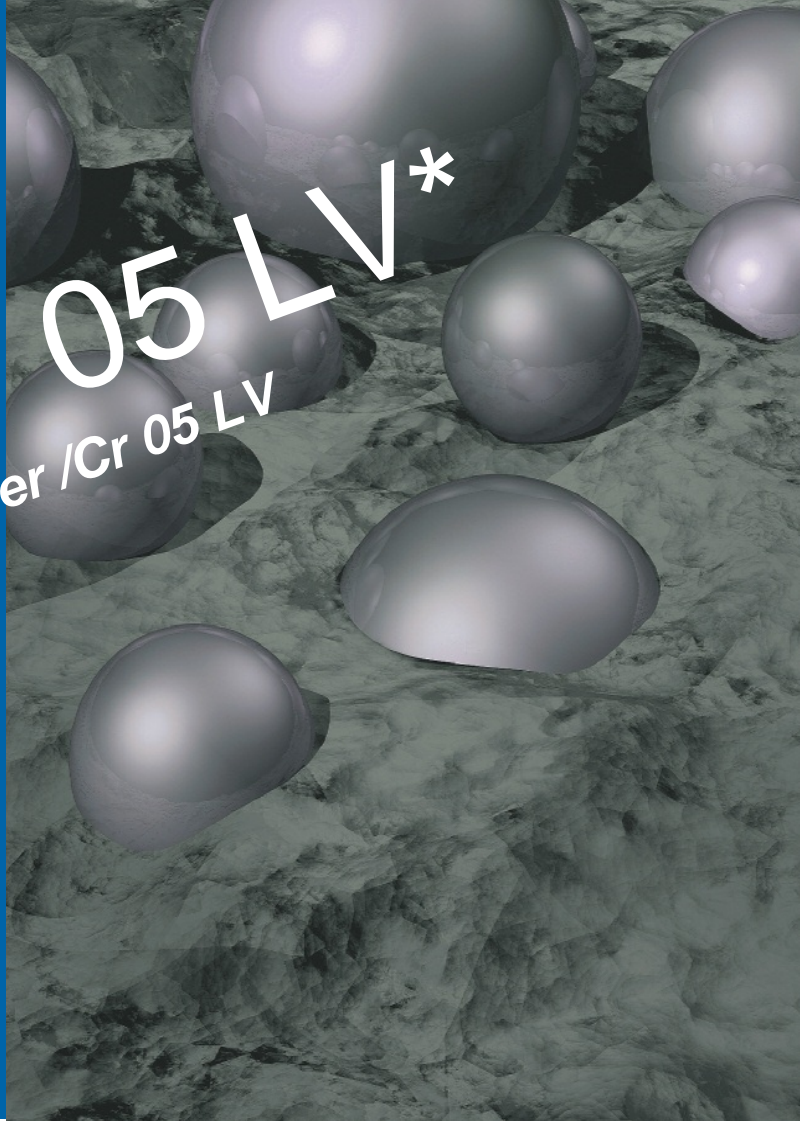
N.B. – Although the technical details and recommendations contained in this product report correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical applications: for this 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.





MA.P.E./Cr

MApei Performance Enhancer /Cr 05 LV
Cr(VI) Reducing Additive



DESCRIPTION

MA.P.E./Cr 05 LV* is a chromate reducing agent, formulated with selected raw materials, ensuring an elevated and constant quality.

MA.P.E./Cr 05 LV* is a liquid additive which has to be added to the mill during the cement grinding process. It ensures the production of cements without Cr(VI), according to European obligation 2003/53/EC.

CHARACTERISTICS

MA.P.E./Cr 05 LV* guarantees, besides advantages coming from the usage of a liquid product, an efficient and stable reduction of soluble chromates in cement and hydraulic binders.

It is an absolutely innovative liquid product, based on antimony*, dispersed on to clinker and other raw materials during the grinding of cement.

During cement hydration the reducing agent acts on soluble chromates, transforming Cr(VI) into Cr(III).

In comparison with traditional Cr(VI) reducing additives, MA.P.E./Cr 05 LV* has an alkaline pH.

APPLICATIONS

MA.P.E./Cr 05 LV* can be successfully employed in cement or hydraulic binders and in general wherever it is necessary to reduce Cr(VI).

The additive must be used only during grinding, added on to the clinker conveyor belt or directly in first chamber. In any case it should be added as close as possible to the mill entrance, avoiding long and complicated distances which could cause a loss of additive before mill entrance.

It is recommended to avoid mixing MA.P.E./Cr 05 LV* with grinding aids normally employed in cement factories.

Under normal cement storage conditions and applying a dosage based on grinding plant conditions, the reducing action shall remain unchanged for at least six months.

MA.P.E./Cr 05 LV*

CHEMICAL-PHYSICAL DATA

Please refer to the appropriate safety data sheets.

DOSAGE:

The dosage depends on Cr(VI) cement content and plant type. Generally speaking we suggest a dosage between 50 and 55 g/t for each ppm of Cr(VI) existing in cement.

The optimum dosage, in any case, has to be found through a reliable industrial trial, preferably with the help of MAPEI Cement Additives Division technicians.

PACKAGING

MA.P.E./Cr 05 LV* is available in bulk (only full truck loads), plastic tanks (1.200 kg net) and in iron drums (220 kg net).

STORAGE

This additive when stored correctly can be used up to four months.

Avoid temperatures below 0 °C and above 50 °C. Store plastic tanks tightly closed and away from direct sunlight and heat sources.

Avoid adding water to the product and any other possible contamination. In particular, avoid mixing MA.P.E./Cr 05 LV* with any other additives for the reduction of hexavalent chromium

DOSAGE SYSTEM

MA.P.E./Cr 05 LV* can be dosed by means of peristaltic or membrane pumps.

TECHNICAL ASSISTANCE

MAPEI Cement Additives Division technicians are available to cement factories, in order to optimise the dosage and grinding circuit during industrial tests.

SAFETY INSTRUCTIONS

To safeguard the employees health it is sufficient 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.

WARNING

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