

TECHNICAL DATA SHEET

SOLFERTEK EIS	HEPTAHYDRATE FERROUS SULFATE WITH ANTICAKING AGENT
Encapsulated iron-sulphate	

TECHNICAL CHARACTERISTICS

Heptahydrate ferrous sulfate with anticaking agent

Fe.....	19 – 20 %
Sulfates (SO4).....	27 – 28 %
Granulometry.....	0 – 1,4 mm
Specific weight.....	1,898
Residue at 1,4 mm.....	2% max

PHYSICAL AND CHEMICAL PROPERTIES

TYPICAL PARAMETERS

Chemical constitution:	ferrous sulfate powder
Appearance:	green-blue crystals
Compatibility:	compatible with products employed in the specific use
Storage stability:	1 year if preserved in original sealed packaging and at temperature between +10°C and +35°C.

CHARACTERISTICS

SOLFERTEK EIS belongs to big family of ferrous sulfates and by-products for the preparation of low chrome hexavalent cements .

Hexavalent chrome can be present, in traces, in raw materials used in the production of cement or it can be formed in oxidizing conditions of the grinding of the clinker.

SOLFERTEK EIS reduces the hexavalent chrome to trivalent chrome. Through the application of SOLFERTEK EIS the cement, once hydrated, contains less than the 2 ppm of hexavalent chrome, as foreseen by the directive 2003/53/CE.

The advantages that come using SOLFERTEK EIS are:

- economic advantages in the relation rendering/price
- compatible with grinding aids
- compatible with quality aids normally employed
- Being in the anticaking form, it remains flowing and doesn't present deliquescence or hanging for at least a couple of months

APPLICATIONS AND CONCENTRATIONS OF EMPLOYMENT

SOLFERTEK EIS reduces the soluble hexavalent chrome present in the cement and it is added in the percentage of the 0,35 % in weight and before or during the process of grinding of the cement. Naturally such quantity can vary according to various factors such as:

1. percentages of present hexavalent chrome
2. competitive reactions with the reduction of the hexavalent chrome due to the presence of heavy metals
3. methodology of adding.

0,04% of SOLFERTEK EIS reduces the hexavalent soluble chrome contained in the cement of the 32 % ca.

INSTRUCTIONS

The addition of FeSO4 hydrate do not modify the irritating characteristics of the cement, therefore it is necessary to maintained the proper measures of occupational guardianship.

SOLFERTEK EIS doesn't have to stay for a long time in contact with air, therefore it is necessary to close carefully the packaging after every collecting.

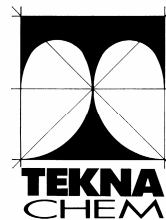
This technical data sheet annuls and replaces every preceding edition.



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Le informazioni contenute nella presente scheda tecnica, pur rappresentando lo stadio più avanzato di conoscenza, non esimono l'utilizzatore dall'esecuzione di accurate prove preliminari nelle proprie condizioni di impiego e di esercizio. Si declina pertanto ogni responsabilità per l'utilizzo improprio del prodotto.



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