

Vibromix AE

Anti-efflorescence and compaction aid for no-slump concrete



DESCRIPTION

Vibromix AE is a highly efficient anti-efflorescence and compaction aid for no slump concrete. The product is developed by Mapei AS, based on extensive testing of well-known components.

The product contains active ingredients to prevent efflorescence.

AREA OF USE

Vibromix AE is used to prevent efflorescence, reduce permeability, increase strength, and improve the surfaces of all no-slump concrete products, e.g. hollow cores, pipes, man-holes, blocks, kerbstones, roof-tiles, etc. **Vibromix AE** helps reducing the equipment's wear and tear.

PROPERTIES

Vibromix AE contains surface active components which prevent efflorescence, actively disperse the fines in the mix. By this, the surface area of the cement is increased which can undergo initial hydration and considerably increase the early strength.

Vibromix AE converts larger encapsulated air bubbles in the no-slump concrete into finer and evenly distributed bubbles that act as lubricators. **Vibromix AE** increases the concrete's packing ability and the correct amount of fines can be more effectively transported to the surface. By this action, the wear and tear of the compaction equipment is reduced.

Subsequently the use of **Vibromix AE** will result in less permeable concrete products and improve the surface of finished products.

DOSAGE

Vibromix AE is added in normal dosages from 0.2 to 1.0 % by weight of cement. To obtain maximum efficiency, we recommend the product to be added when at least 80 % of the mixing water is added in the concrete mixer.

COMPATIBILITY WITH OTHER PRODUCTS

Vibromix AE is normally used as the sole admixture in the production of no-slump concrete, but it is compatible with other admixtures from Mapei, such as **Mapetard** set retarders, and **Mapefast** set- and hardening accelerators.

PACKAGING

Vibromix AE is available in 25 liter cans, 200 liter drums, 1000 liter IBC containers and in tank.

STORAGE

The product must be stored at temperatures between +8 and +35°C, and will retain its properties for at least one year if stored unopened in its original packaging. If the product is exposed to direct sunlight, colour variation may occur, but this will not affect the technical properties of the product.

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TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Appearance:	liquid
Colour:	yellow transparent
Viscosity:	easy flowing
Solids content, %:	7.5 ± 0.8
Density, g/cm ³ :	1.00 ± 0.02
pH:	12.0 ± 1.0
Chloride content, %:	< 0.05
Alkali content (Na ₂ O-equiv), %:	< 1.0



Vibromix AE will effectively prevent efflorescence as shown on the picture

SAFETY INSTRUCTIONS FOR PREPARATION AND USE

Instructions for the safe use of our products can be found on the latest version of the SDS available from our website www.mapei.no

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet 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 application; 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.

Vennligst referer til siste oppdaterte versjon av teknisk datablad som finnes tilgjengelig på vår webside www.mapei.no

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.no

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

All relevant references for the product are available upon request and from www.mapei.no