

Mapeplast G34

Lignosulphonate based plasticizer and water resisting admixture

WHERE TO USE

Mapeplast G34 is a lignosulphonate based general purpose plasticizer and water resisting admixture that contributes to the reduction of mixing water or improves the workability of the concrete.

SOME APPLICATION EXAMPLES

- Concrete with reduced water permeability.
- General applications of ready mixed concrete.
- Fair faced concrete.

TECHNICAL SPECIFICATIONS

The concrete that has been produced with the use of **Mapeplast G34** achieves better workability and lower water demand. With the addition of **Mapeplast G34** to the concrete the surface tension of the water is reduced therefore the cement, the additives and the fine aggregates are hydrated faster. The cement paste is mixed easier and the cohesiveness of the mix is improved.

HOW TO USE

The optimum dosage of **Mapeplast G34** must be determined by tests depending on the desired workability or the desired water reduction. Do not add **Mapeplast G34** on dry aggregates or/and cement.

Mapeplast G34 must be added after the mixing water.

CAUTION: do not add it to the concrete simultaneously with air entraining admixtures, even if they are compatible.

CONSUMPTION

Recommended dosage:

0,2 % to 0,8% by weight of cement.

Allowable maximum dosage:

1,0% by weight of cement.

PACKAGING

Container: 25 kg
Drum: 232 kg
Tank: 1160 kg
Bulk

STORAGE

Shelf life: 1 year.

Storage conditions: protect from frost and direct sunlight, at temperatures below + 5°C the product may crystallize, this does not influence the performance of the material once it is warmed and stirred before its use.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	liquid
Colour:	brown
Bulk density according to ISO 758 (g/cm ³):	1,16 ± 0,03
pH:	8,5 ± 2
Water soluble chlorides content according to EN 480-10 (%):	< 0,1 (Chloride free according to EN 934-2)
Alkali content (Na ₂ O equivalent) according to EN 480-12 (%):	< 5,0
Classification according to EN 934-2:	Water reducing/plasticizing admixture according to Table 2 and water resisting admixture according to Table 9

SAFETY INSTRUCTIONS FOR THE PREPARATION AND APPLICATION

Mapeplast G34 is not considered dangerous according to the current regulation regarding the classification of mixtures. It is recommended to wear gloves and goggles and to take the usual precautions needed for handling chemicals. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

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.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

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All relevant references for the product are available upon request and from www.mapei.com



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