

KUT PLAST PCE 2000 VM

Pumping aid and Segregation Reducing Admixture

ADM-33-1110



DESCRIPTION

KUT PLAST PCE 2000 VM is a liquid admixture based on a blend of synthetic polymers.

Incorporating **KUT PLAST PCE 2000 VM** adjusts the viscosity of a mix ensuring the right balance between flowability and resistance to segregation— to be achieved. This cannot be achieved by addition of water due to possibility of segregation.

USES

KUT PLAST PCE 2000 VM can be used whenever an increase in mix viscosity would be advantageous:

- SCC (Self Compacting Concrete)
- Pumped concrete
- Mixes lacking in fines
- Deep sections that may be prone to bleeding
- Lightweight or absorbent aggregate
- Improve surface finish

ADVANTAGES

- Can be used with all types of cement.
- Suitable for both low & high workability mixes
- Does not effect setting times at given dosages
- Mixes are less sensitive to changes in water demand.
- Can prevents segregation due to grading changes.
- Increases cohesiveness and eliminates bleeding.
- Obtain a more even mortar to entrain and keep the solid concrete particles in suspension, thereby ensuring excellent filling of the formwork.
- Make the mixture less sensitive to variations in sand grading, shape and moisture content of the aggregates and to the characteristics of the binders.

- Low risk of segregation, greater pumping speeds and distances.
- Provide a wide range of tolerance in mix water content.

TYPICAL PROPERTIES

Appearance: Transparent liquid

Specific Gravity: 1.110 to 1.130 @ 20°C

pH - value: 6.0 – 9.0

Chloride Ion Content: Nil to BS

Alkali Content: < 0.1%

Dosage: **KUT PLAST PCE 2000 VM** is batched on the total of fines below 0.1 mm and is recommended between 0.3 – 2.0% by weight of cement / fines. Other dosages may be recommended in special cases according to specific job site conditions.

KUT PLAST PCE 2000 VM is a ready-to-use liquid admixture, which should be added to the concrete after all the other components of the mix.

This is a particularly important in order to obtain maximum efficacy. For best performance it is advisable to continue mixing until the mix is completely homogeneous. To produce Self Compacting Concrete, **KUT PLAST PCE 2000 VM** may be used in combination with other superplasticizer admixtures of the **KUT** range in order to guarantee maximum efficacy.

APPLICATION

KUT PLAST PCE 2000 VM consists of a mixture of water – soluble polymers which are absorbed onto the surface of the cement granules, thereby changing the viscosity of the water and influencing the rheological properties of the mix.



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KUT PLAST PEC 2000 VM has a dual action:

During the concrete placement of:

- It decreases viscosity and maintains internal cohesion of the concrete during casting, due to shear thinning.

Whilst the concrete is static:

- It resists segregation due to aggregations of the polymer chains when the concrete is not moving.

Can be used as such or blended with other **KUT** plasticizers to obtain various rheologies or properties.

KUT PLAST PCE 2000 VM is chloride free and compatible with all cements to both **EN 194** and **ASTM standards** for reinforced concrete.

PACKAGING

KUT PLAST PCE 2000 VM is supplied in 210 litre drums.

STORAGE

KUT PLAST PCE 2000 VM must be stored in a place where temperature does not drop +5°C. If product has frozen, thaw at +3°C and agitate until completely reconstituted. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult **ASPEC** Technical Service Department.

SHELF LIFE: Up to 12 months if stored according to manufacturer's instruction in original unopened packaging.

PRECAUTIONS

HEALTH & SAFETY

KUT PLAST PCE 2000 VM is non-toxic. Any splashes to the skin should be washed immediately with water. Splashes to the eyes should be washed immediately with water and medical advice should be sought.

Fire: **KUT PLAST PCE 2000 VM** is non flammable

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