

# Plastit® VMA

## Viscosity Modifier Admixture

### Uses

- Concrete containing "gap-graded" aggregates
- Lean concrete mixtures
- Concrete as a pumping aid
- Concrete as a finishing aid
- Self-Consolidating Concrete (SCC)
- Self-Consolidating Grout

### Advantages

- Controls bleeding
- Reduces segregation, even with highly fluid concrete mixtures
- Enhances pumping and finishing
- Reduces sagging, helping plastic concrete maintain its shape on slopes and arches
- Facilitates production of highly fluid concrete mixtures such as SCC
- Facilitates placement of pervious concrete mixtures
- Superior and predictable in-place concrete properties
- Enhances surface appearance
- Flexibility in mixture proportioning
- Provides concrete stability during transport and placement

### Standards compliance

Plastit VMA conforms with ASTM C 494/C 494M as Type S and Type F.

### Description

Plastit VMA organic, viscosity-modifying admixture (VMA) is a ready-to-use, liquid admixture developed for producing concrete with enhanced viscosity and controlled rheological properties. Concrete with Plastit VMA admixture exhibits superior stability, thus increasing resistance to segregation and facilitating placement.

### Typical dosage

The optimum dosage Plastit VMA to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. The normal dosage range is between 0,4 to 1,5 kg/100 kg of cementitious material.

### Properties

Appearance	Colorless liquid
Specific gravity	1.01 ± 0.01 gr/cm <sup>3</sup> at 20°C
Chloride	Nil to BS5075

### Instructions for use

#### Compatibility:

Plastit VMA is compatible with other CAPCO admixtures in the same concrete mix. All admixtures should be added to the concrete separately and must not be premixed together prior to addition. The performance of concrete containing more than one admixture should be assessed by trial mixes.

Plastit VMA is suitable for use with all types of Portland cements, SRC cements and cement replacement materials

such as PFA, GGBFS and microsilica.

The use of a combination of admixtures in the same concrete mix and or cement replacements may alter the setting time. Trials should always be conducted to determine such setting times.

#### Dispensing:

The correct quantity of Plastit VMA should be measured by means of a recommended dispenser. The admixture should then be added to the concrete with the mixing water to obtain the best results.

### Packaging

Plastit VMA is available in 20 kg containers and 200 kg drums.

### Storage

Plastit VMA has a minimum shelf life of 12 months provided the temperature is kept within the range of 5°C to 35°C.

### Precautions

#### Health and safety:

Plastit VMA does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

#### Fire:

Plastit VMA is non-flammable.