

DESCRIPTION

PAVER HARDENER (ML) is a super plasticizing concrete admixture based on Melamine Formaldehyde. PAVER HARDENER (ML) can be used to either produce 'flowing concrete' or enable large water reductions to be made for the same workability. PAVER HARDENER (ML), however, has the advantage of producing very high early strengths and thus makes the material suitable for use in pre-cast concrete applications and in areas where higher workability concrete and fast shutter stripping is required.

ADVANTAGES

PAVER HARDENER (ML) provides the following benefits:-

As a superplasticizer:

- Substantial improvements in workability without increased water or the risk of segregation.
- Normal set without retardation, even if accidentally over-dosed.
- Improved concrete density and surface finish.

As a water reducer:

- Up to 30% water reducing. 40% increase in 28 day strengths are possible.
- High strength after 8 hours and double 16 hour strength can be obtained.
- suitable for paver blocks (coloured, non-coloured), pre cast, concrete tiles, dry mortar industry
- Increases frost and water resistant properties of the concrete because of reduced water contents and low permeability.
- Extremely high workability
- Little vibration required
- Can replace steam curing
- Faster mould turn round
- Higher strength at all ages
- High durability concrete
- Ultra-high strength concrete

TECHNICAL DATA

Form	: Liquid
Colour	: Colourless
Relative Density @ 20°C	: 1.100
Dry Material	: 30%
pH Value	: 8.0-12.0
Chloride Content %	: <0.1 Chloride free
Alkali Content %	: <6.50

METHOD OF USE

In order to obtain the best results, PAVER HARDENER (ML) must be used with specially designed mixes designed for the particular requirements of strength, cost saving or flowing concrete, pre-cast concrete. For maximum dispersion PAVER HARDENER (ML) should be added with the mixing water. On no account should it be added to the dry cement. PAVER HARDENER (ML) can be added at the plant or on site, when added at site the mixer trucks should rotate their drums at maximum revolutions until a uniform mix is achieved.

DOSAGE

The dosage rate of PAVER HARDENER (ML) is best found after initial site trials. As a guide, an addition rate of 0.4-2.0% by weight of cementitious content (0.20-1 litres per 50 kg cementitious) is recommended for 'flowing concrete', 0.6-2% for high strength concrete. (0.30-1.0 litres per 50 kg cementitious).

PACKAGING

PAVER HARDENER (ML) is supplied in 125 kg. & 250 kg.

STORAGE AND SHELF LIFE

PAVER HARDENER (ML) should be stored in sealed containers between 5°C and 40°C and protected from frost. Under these conditions the shelf life is 1 year minimum

QUALITY ASSURANCE

AMBICA SPECIALITY CHEMICALS is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2015.

HEALTH & SAFETY

PAVER HARDENER (ML) is no-toxic and non-flammable. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.