

## Estop Admix AP

### The Water Reducing Plasticiser and Set Accelerator

#### Description

**Estop Admix AP** is a liquid water reducing set accelerator for concrete and mortar, formulated from carefully selected active ingredient.

**Estop Admix AP** is a cement dispersing agent which acts as a catalyst and produces high early strength concrete. It reduces the water cement ratio, accelerates the initial set, increases durability, reduces shrinkage and improves workability.

#### Advantages

- Allows the reduction of water cement ratio.
- Improves the compressive strength, impermeability and durability of concrete.
- Reduces the time required for the initial set.
- Increases the early and ultimate compressive strength of concrete.
- Reduces cracking by minimising plastic shrinkage.
- Improves workability.
- Permits early removal of formworks.
- Reduces concreting costs.

#### Standard Compliance

- ASTM C494 – 92 Type C & E
- BS 5075 : Part 1 : 1982

#### Physical Properties

Form	Liquid
Color	Brown
Specific Gravity at 25°C	1.20 – 1.25

#### Application Instructions

**Estop Admix AP** is required to be dispersed in water prior to addition to the concrete and Portland cement mortar mixes.

If added to transit or ready-mix truck, minimum one minute mixing is required before discharging.

#### Dosage Rates

The effect of **Estop Admix AP** depends on variables such as cement composition, ambient temperature and mix design. It is recommended to carry out trials for determining the dosage required.

Under normal circumstances, the dosage shall be 0.6% to 1.2% of the total cement content.

#### Overdosing

Overdosing will generally produce considerable increase in workability and will accelerate the setting and hardening process. In no circumstances should the dosage rate exceed 2.5 litre per 50 kg of cement.

#### Compatibility

**Estop Admix AP** is generally compatible with general air entraining agents, retarders and fly ash. Other admixtures may be used with **Estop Admix AP** subject to prior consultation with our technical department.

#### Test Result

The following data are compiled from our investigations and laboratory testing. It is to illustrate the effects of **Estop Admix AP** on concrete mixes and use as guides for your own trial mixes.

#### The effect of Estop Admix AP on setting time

Dosage Rate / 50 kg OPC	Initial Set (hrs)	Final Set (hrs)
Control mix	3 ½	5 ½
300 cc	1 ¾	3 ¾
600 cc	1 ¼	2 ½

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## Packing & Size

<b>Estop Admix AP</b>	20 litre
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## Technical Support

Denka offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance.

## Storage

Store in dry & covered condition. **Estop Admix AP** has a shelf life of 12 months in an unopened container.

If stored in extreme heat condition, the shelf life may be reduced.

## Precaution

Suitable protective gloves and goggles should be worn. If swallowed seek medical advice immediately. Do not induce vomiting.

## Additional Information

**Denka Construction Solutions Malaysia Sdn Bhd** offers a wide range of complementary products, which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.



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