



MASTER CHEMICALS TECHNOLOGY

# MC-ADMIX 11

## Set Retarder and Plasticizer for concrete and mortar

### Description:

**MC-Admix 11** is a concrete set retarder, plasticizer and water reducer, based on the modified lignosulphonate.

### Standards:

**MC- Admix 11** meets the requirements of ASTM C-494 Types B & D .

### Advantages:

**MC-Admix 11** is a powerful retarder and plasticizer admixture, aids in the production of concrete with the following properties: -

- ◆ Moderate to extended retardation depending on dosage.
- ◆ Superior finishing characteristics for flatwork.
- ◆ Better appearance of formed surfaces.
- ◆ In addition to all the basic benefits of **MC-Admixtures :**
  - Increased compressive strength, flexural and bond of concrete to steel.
  - Greater economy in a mix designed for a given strength, slump and air content.
  - Minimum cracking.
  - Reduced permeability.
  - Improved water tightness.
  - Easier placement.
  - Economy in placement.

### Uses:

**MC- Admix 11** is recommended for use in all types of concrete where retardation of setting and improved performance are required or desired .**MC-Admix 11** improves pumped concrete, Shotcrete and conventionally placed concrete. However it improves plain, reinforced, Precast, Prestressed and light weight or standard weight concrete.

### Technical Data:

Appearance	: Clear brown liquid
Specific gravity at 25° C	: 1.15 g/cm <sup>3</sup>
Chloride content	: Nil
Air Entrainment	: < 1%
PH	: 7 ±1

**Rate of Use:**

**MC- Admix 11** can be added directly to the mixing water prior to its addition to the mixer or added separately to the fresh mixed concrete.

It is added in the range of 400ml ± 100 /100kg of cement. The optimum dosage is determined by trials using the same material in use.

**Effect of over dosage:**

An over dose of **MC-Admix 11** may result in an increase of retardation and air entrainment.

The ultimate strength is not affected but will be delayed .

**Compatibility:**

**MC-Admix 11** is compatible with all types of Portland cement.

**MC-Admix 11** is compatible with other MC-Admix products, which must be added separately.

**Shelf life:**

18 months under suitable storage conditions in closed drums or tanks.

**Packaging:**

210 Lit. drums and large capacity tanks.

**Cleaning:**

Tools & equipment can be cleaned using water.

**Safety:**

**MC- Admix 11**is nontoxic and nonflammable.

Skin contaminations should be cleaned with water.

*For more details contact **Master Chemicals Technology** technical department*

*Or visit our website [www.mc.com.eg](http://www.mc.com.eg)*