



MEGA ADD-MIX 694

HIGH RANGE WATER REDUCING SUPER
PLASTICIZER/RETARDER FOR CONCRETE

PRODUCT DESCRIPTION

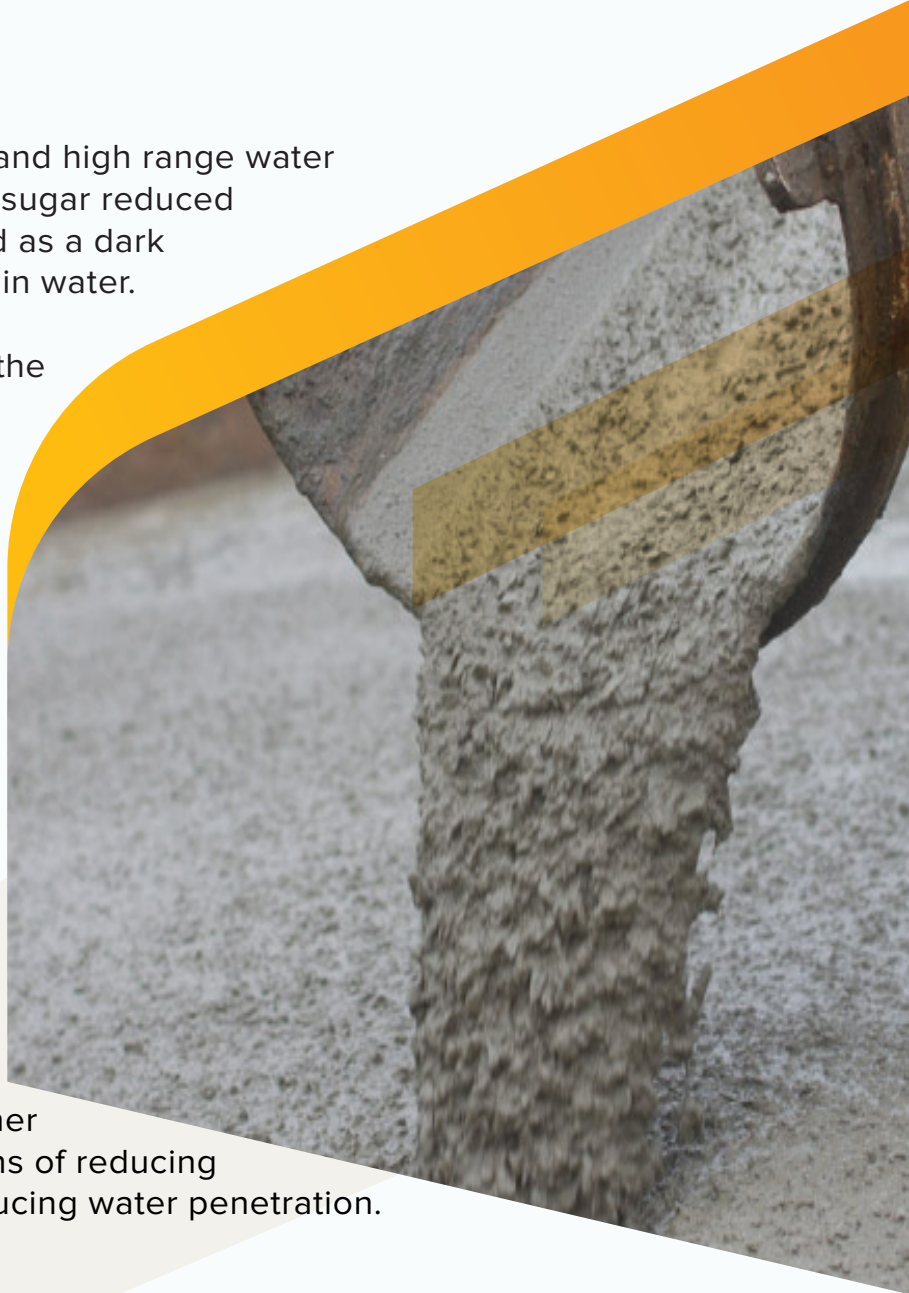
MEGA ADD-MIX 694 is a chloride free and high range water reducing admixture based on selected sugar reduced lignosulphonate materials. It is supplied as a dark brown liquid, which instantly disperses in water. MEGA ADD-MIX 694 disperses the fine particles in the concrete mix, enabling the water content of the concrete to perform more effectively and improving the consistency of the concrete. This produces higher levels of workability for the same water content, allowing benefits such as water reduction and increased strengths to be taken. These acts efficiently on the cement particles by combining the effects of powerful plasticizing and deflocculating agents.

USES

To improve the effectiveness of the water content of a concrete mix. At higher dosages to provide cost effective means of reducing concrete permeability and thereby reducing water penetration. Hot weather concreting.

SPECIFICATION COMPLIANCE

MEGA ADD-MIX 694 complies with the requirements of the following standards:
ASTM C494 Type D.



TYPICAL APPLICATIONS & ADVANTAGES

- Ready mix concrete where workability retention coupled with retardation of initial set is beneficial.
- Water reduction significantly improves compressive strength at all ages.
- Enhances durability through the production of low permeability concrete.
- Reduces placing problems in hot weather concreting by improving workability and workability retention. Chloride free, safe for use in prestressed and reinforced concrete.
- Allows workability to be increased without adding extra water.

COMPATIBILITY

MEGA ADD-MIX 694 can be used for all types of Portland cement and for use with any other special cements.

DOSAGE

The optimum dosage of MEGA ADD-MIX 694 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 liters/100 kg of cementations material. Dosages outside the normal range quoted above can be used to meet particular mix requirements.

SETTING

MEGA ADD-MIX 694 acts efficiently to give controlled retardation of initial set. Setting times of concrete mixes are related to cement type and ambient temperature.

EFFECT OF OVER DOSAGE

A severe over dosage of MEGA ADD-MIX 694 will result in the following:

- Retardation of initial and final set.
- Slight increase in air entrainment.
- Increase in workability.
- Provided it is properly cured, the ultimate strength of the concrete will not be adversely affected and will generally be higher than for normal concrete.
- The retarding effects of very high dosage will be exaggerated with SR cement.

TECHNICAL DATA

Color	Dark brown liquid
Supply	Liquid
Toxicity	Non-toxic
Specific Gravity	1.15 @25±2°C.
Chloride content	Nil

CLEAN UP

Materials are difficult to remove when set. Clean tools and equipment before the material set.

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the product uses.

HEALTH AND SAFETY INFORMATION

It is physiologically non hazardous once cured. However, follow standard Health & Safety Procedures when handling the product and wear gloves and face / eye protection. Avoid eye and skin contact. If skin contact occurs, wash with plenty of water and soap. In case of eye contact rinse with plenty of water and seek medical advice.

Non reacted material should only be disposed to special designated sites. It is better to let the product react with water to form foam before disposal in landfill sites.

The information given here is true, represents our best knowledge and is based not only on laboratory work but also on field experience. However, because of numerous factors affecting results, we offer this information without guarantee and no patent liability is assumed. For additional information or questions, please contact your local representative.

LEGAL NOTES

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