

PRODUCT NAME

# Adi-Con® SER

## Surface Evaporation Retardant

MANUFACTURER

Gemite® Products Inc.

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FEATURES

- Reduces surface moisture evaporation about 80% in wind and about 40% in sunlight. It has no effect on the cement hydration process. Concrete strength (early and ultimate), abrasion resistance and durability are not altered, except for the improvement in overall quality resulting from control of rapid evaporation. Gives concrete a better finish and less work.
- It eliminates or reduces crusting, stickiness and underlying sponginess which often results in unevenness and poor surface texture. The surface cures better under the trowel.
- Reduces, and in many instances, eliminates plastic shrinkage cracking and wind crusting of flat work surfaces. Also supplements the recommended practices for hot weather concreting.
- Under some conditions, *Adi-Con SER* alone will provide the necessary safe guard against the ill effects of evaporation. Allows lower slump and lower water content in concrete used for flat work since *Adi-Con SER* virtually eliminates the need to add extra mixing water to compensate for rapid evaporation during finishing.
- Encourages the use of air-entrained concrete - required for durability and workability - in situations where air entrainment might be avoided for fear that it would increase concrete's susceptibility to crusting and stickiness under drying conditions.
- Increase the amount of surface handled per finisher - even under rapid-drying conditions because the surface remains plastic and finishable for a longer time. Thus, work can proceed whereas without *Adi-Con SER*, it might be postponed to avoid finishing problems. Timing of the various finishing operations is less critical, thus reducing the overall cost.

PRODUCT DESCRIPTION

Basic Use

*Adi-Con SER* evaporation retardant and finishing aid helps produce high quality, concrete flat work. It retards water evaporation, regulates the surface condition of the slab and permits better adherence to finishing schedules. Because *Adi-Con SER*



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retards evaporation, it is especially effective in combating rapid-drying conditions (high concrete and/or ambient temperatures, low humidity, high winds, direct sunlight, work in heated interiors during cold weather, etc.).

Composition and Materials

Hydrocarbon emulsion

Limitations

Must not freeze. Does not replace curing compounds. Do not use higher coverage than specified

Health and Safety

*Adi-Con SER* Keep product out of reach of children. FOR INDUSTRIAL USE ONLY. Consult MSDS for additional information.

Colors

Light brown

Packaging

*Adi-Con SER* is supplied in 20 L (5.3 USG) pails and 209 L (55.2 USG) drums.

Coverage

*Adi-Con SER* covers approximately 4.9-9.8 m<sup>2</sup> per L (200 - 400 ft<sup>2</sup> per USG) of total solution when mixed 1:9 with water.

Storage and Transportation

*Adi-Con SER*, stored on pallets in a dry, cool area, has unlimited shelf life. Pack aged 36 pails or 4 drums per pallet.

INSTALLATION

Current Guide Specification and Application Instructions contain additional information specific to each application and must be followed.

APPLICATION

Apply with an ordinary garden type tank sprayer or with the equipment used for application of a spray-on membrane type curing compound. *Adi-Con SER* evaporation retardant and finishing aid contains a fluorescent color tint which disappears completely upon drying. When sprayed onto the surface immediately after screeding, *Adi-Con SER* forms a monomolecular film. This film is easily distinguished from untreated surfaces by its green-yellow color in the presence of surface moisture and ultraviolet rays (sunlight or artificial lighting). The protective shield of *Adi-Con SER* usually lasts as long as the concrete remains plastic, despite succeeding floating and troweling operations. Any residue remaining on the surface of hardened concrete does not impair bonding or alter the color appearance.

## **CleanUp**

All tools and equipment must be cleaned with water immediately after use. Cured material can only be removed mechanically.

## **PRECAUTIONS**

*Adi-Con SER* evaporation retardant and finishing aid is not a curing agent. Concrete treated with this product must still be cured. Gemite Products Inc. can not be aware of all the ingredients contained in the concrete or floor products supplied by other firms. Thus, determination of the compatibility and the effect of *Adi-Con SER* on final performance is the responsibility of the user and/or supplier of those products. *Adi-Con SER* reduces evaporation only while concrete is in its plastic state. It is not a substitute for early curing of hardened concrete, nor does it alter the effectiveness of membrane-type curing compounds. Any residue remaining from spillage or spraying of *Adi-Con SER* concentrate on the surface of hardened concrete should not be allowed to dry. Wipe it up immediately, then rinse the surface with water. If the *Adi-Con SER* residue is allowed to dry on hardened concrete, a red-brown stain may appear. To remove the stain, place a cloth saturated in a household type, chlorinated bleach onto the stain, then cover it with plastic to retard evaporation. After approximately one hour, the stain should disappear completely. Rinse the area with water.

## **AVAILABILITY AND COST**

*Adi-ConSER* is available world wide. Contact Gemite Products Inc. for the name of the nearest Representative/Distributor and for current pricing information.

## **MAINTENANCE**

None required.

## **WARRANTY**

A limited twelve (12) month Material Replacement Warranty is available. For complete details contact Gemite's Head Office.

## **TECHNICALSERVICE**

Technical advice on the suitability of *Adi-Con SER* for a specific application, end use requirements and Specification assistance is available from Gemite's Technical Service: US 888-443-6483 or Canada 905-672-2020.

## **ShortSpecification**

Surface evaporation retardant will be *Adi-Con SER* as manufactured by Gemite Products Inc., 1787 Drew Road, Mississauga, Ontario, L5S 1J5, Phone (905) 672-2020, Fax (905) 672-6780 or 160-3840 East Robinson Road, Amherst New York 14228, Phone (888) 443-6483, Fax (888) 443-6329. It will be used according to the latest manufacturers specifications and application instructions.