

DESCRIPTION:

RepAid is designed to be used as a finishing aid and evaporation retarder on new concrete surfaces of all types. When sprayed over fresh concrete, **RepAid** forms a thin, continuous film which greatly assists the finishing and tooling processes while preventing rapid moisture loss from the concrete surface. It is easy to use requiring only the addition of water before spray application. **RepAid** is especially effective when concreting operations must be performed in direct sun, high wind and temperatures, or low relative humidity.

USES:

- Silica fume concrete
- Hot or windy concrete finishing
- Parking decks and ramps
- Finishing patches & spalls
- Silica fume concrete
- Concrete Pavement & Floors
- Non-modified concrete toppings
- Vertical/overhead repair finishing

FEATURES:

- Extends blade & tool life
- Allows lower slump / water content.
- Reduces plastic shrinkage cracking
- Reduces wind moisture evaporation by 80%
- Reduces moisture loss in sunlight by 40%
- Eliminates or reduces crusting & drag
- Supplements hot weather concreting practices
- Eliminates need to sprinkle or extra mixing water
- Safeguards against the ill effects of evaporation

COVERAGE GUIDE:

1000 sq. ft/gal in concentrate and 250-400 sq. ft/gal when diluted with 9 gallons of water and 1 gallon of **RepAid**. Evaporation rate is a function of relative humidity, concrete temperature, air temperature and wind.

TECHNICAL DATA:

A detailed technical discussion about the action of mono-molecular films, typified by **RepAid** finishing aid and evaporation retarder, is contained in the Journal of the American Concrete Institute, Volume 62, pp. 977-985. **The use of a mono-molecular polymer film to prevent the rapid drying of fresh concrete** is recommended in the following ACI documents: ACI 302.1R, "Guide for Concrete Floor and Slab Construction"; ACI 305R, "Hot Weather Concreting"; ACI 308R, "Guide to Curing Concrete"; and ACI 345R, "Guide for Concrete Highway Bridge Deck Construction". **RepAid is a mono-molecular water-based polymer concentrate that is readily diluted with water.**

PREPARATION:

RepAid is applied directly to the surface of fresh concrete. No surface preparation is necessary.

MIXING:

RepAid is supplied as a concentrate and must be diluted with clean potable water at a 9:1 (**Water: RepAid**) ratio. Determine capacity of sprayer and divide by 10. Add this amount of **RepAid** to the sprayer followed by 9 times that amount of water. For example, if 1 quart (0.95L) of **RepAid** is added, dilute with 9 quarts (8.5 L) of water. Mix or shake until thoroughly blended.

PLACEMENT:

Apply using a hand pump tank type sprayer capable of spraying in a fine mist. Use a slotted tip for the best spray. Spray **RepAid** over the fresh concrete surface as soon as possible after floating. A gold translucent sheen will appear as the surface is being treated. On extremely dry conditions, additional applications may be applied as needed. When used on floors with dry shake hardener applications, **RepAid** may be used on the

fresh concrete as well as between each shake application. The application color will dissipate.

CURING/DRYING TIME:

Proper curing procedures are important to ensure the durability and quality of concrete. To prevent surface cracking, cure flatwork with high solids curing compounds, such as **RepCure™ 309W** cure. For indoor concrete slabs, use **RepCure™ WB**.

PRECAUTIONS:

- Always use with proper dilution rate.
- Do not use as a curing compound.
- Apply only as a fine spray.
- Do not allow to freeze.
- **Consult the Safety Data Sheet (SDS) before use.**

CLEAN UP:

Tools and Equipment: Clean with soap & water or **TTMI RepGreen™**.

COLOR:

Yellow/ Gold – dries clear.

STORAGE:

The material should be stored between 40°F – 95°F (4°C – 35°C) in a dry area away from direct sunlight.

SHELF LIFE:

Shelf life of safely stored unopened containers is 24 months. Excessive temperature differential and/ or high humidity can shorten the shelf-life expectancy.

WARRANTY:

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either **TuffTex Materials, Inc.**, or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase

price of materials supplied by us.

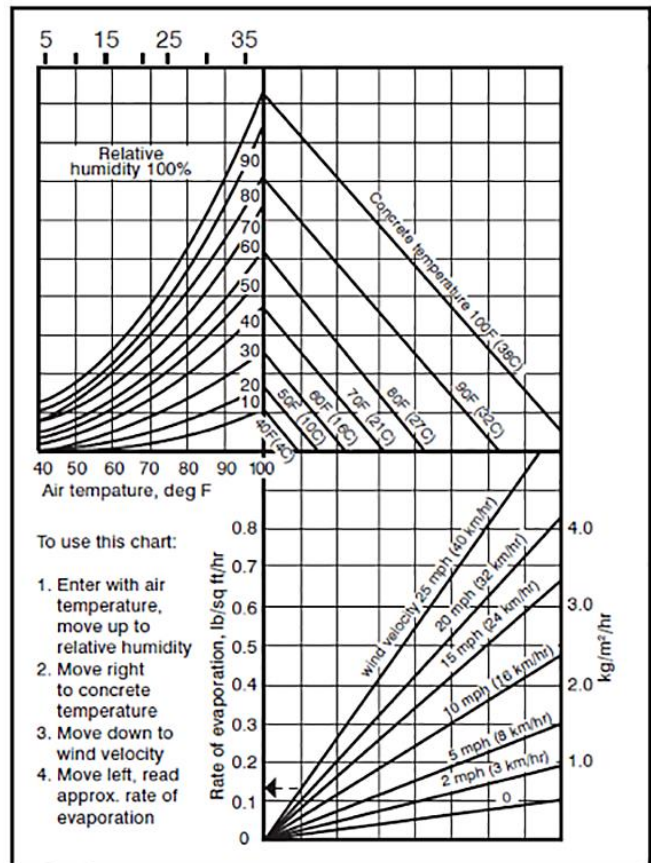


Fig. 2.1.5, ACI 305, Hot Weather Concreting

