B-TUFF® AID
Finishing Aid & Evaporation Retarder

1.01 DESCRIPTION
B-Tuff® Aid is designed to be used as a finishing aid and evaporation retarder on new concrete surfaces of all types. When sprayed over fresh concrete, B-Tuff® Aid 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. B-Tuff® Aid is especially effective when concreting operations must be performed in direct sun, high wind and temperatures or low relative humidity. Please use the correct product grade that complies with VOC regulations as per federal, state, county and city regulations/codes at the place of installation of product.

1.02 FEATURES
• Allows Lower Slump/Water Content
• Eliminates Need To Sprinkle or Add Extra Mixing Water
• Eliminates or Reduces Crusting & Drag
• Extends Finishing Time by 15-45 Minutes
• Reduces Moisture Loss in Sunlight By 40%
• Reduces Plastic Shrinkage Cracking
• Reduces Wind Surface Moisture Evaporation By 80%
• Safeguards Against the Ill Effects Of Evaporation
• Supplements Practices for Hot Weather Concreting

1.03 TYPICAL USES
• Concrete Floors
• Concrete Pavement
• Finishing Patches and Spalls
• Hot or Windy Concrete Finishing
• Non-Modified Concrete Toppings
• Parking Decks and Ramps
• Silica Fume Concrete
• Vertical/Overhead Repair Finishing

1.04 TECHNICAL DATA
A detailed technical discussion about the action of mono-molecular films, typified by B-Tuff® Aid 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 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 Concrete”; ACI 308R, “Guide to Curing Concrete”; and ACI 345R, “Guide for Concrete Highway Bridge Deck Construction”. B-Tuff® Aid is a water-based polymer concentrate that is readily diluted with water.

1.05 COLOR
Yellow

1.06 PACKAGING
5 gallon (18.9 liters) pail
55 gallon (207.9 liters) drum
275 gallon (1039.5 liters) tote

1.07 COVERAGE
B-Tuff® Aid provides 2000-4000 sqft/gallon (186-372 sqm/liter) in concentrate form. The coverage rate is 1 gallon/250-400 sqft (0.17-0.1 liter/sqm) or 250-400 sqft/gal when diluted with 9 gallons (34.02 liters) of water and 1 gallon (3.78 liters) of B-Tuff® Aid. Evaporation rate is a function of relative humidity, concrete temperature, air temperature and wind.

1.08 PREPARATION
B-Tuff® Aid is applied directly to the surface of fresh concrete. No surface preparation is necessary.

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

1.10 APPLICATION
Apply using a hand pump, tank-type sprayer capable of spraying in a fine mist. Use a slotted tip for the best spray. Spray B-Tuff® Aid 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, B-Tuff® Aid may be used on the fresh concrete as well as between each shake application. The application color will dissipate.

1.11 CURING/DRY 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 B-Tuff Cure® SS.

1.12 STORAGE AND SHELF LIFE
Store in closed containers between 40-95°F (5-35°C) away from direct sunlight and sources of heat. Shelf life of properly stored material is 12 months from date of manufacture.
1.13 CLEAN UP
Tools and Equipment: Clean with soap & water or PSI’s EnviroClean™.

1.14 LIMITATIONS
Always use with proper dilution rate. Do not use as a curing compound.

Apply only as a fine spray. Do not allow to freeze. In all cases, consult the Safety Data Sheet (SDS) before use.

READ SDS PRIOR TO USING PRODUCT. FOR PROFESSIONAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. MADE IN THE USA.