



# SURFIX<sup>®</sup>-AC

Multipurpose Adhesive for Bonding Concrete to Other Surface

Product code:M-1306

## PRODUCT DESCRIPTION:

Surfix<sup>®</sup> AC is a single component, water based environment friendly adhesive/ coating for bonding any material to the substrate. Application of Surfix<sup>®</sup> AC to wet or dry, properly prepared substrates assures tenacious adhesion of new toppings, patching compounds, gypsum, concrete, mortar and tile bedding mortars when used in accordance with instructions. It may also be applied to steel, tile, wood, glass and fiberglass.

## USES:

- ) As a **combination bonding agent and waterproofing barrier** when applying new concrete toppings over old concrete.
- ) To **improve adhesion of gypsum layer and tile bedding mortars** to existing concrete, or may be used directly for tile bedding in combination with very fine sand.
- ) To **prime and waterproof steel reinforcement** prior to application of patching compounds or concrete pouring while improving adhesion of these materials.
- ) To penetrate and **consolidate low strength floors**, such as asbestos-cement or cinder concrete, and to improve adhesion of new toppings or patching compounds to same.

To **promote adhesion** of concrete, bedding mortars or toppings to non-cementitious substrate, such as glass, tile, plywood decking, or steel plate.

## TECHNICAL DETAILS:

Description	Results
Product	Modified Special Resin in Water
Typical Drying Time	2 hours depending on Temperature and substrate
Mixing Ratio	Ready to use material, no dilution with water allowed
Bond Strength	>1.5 MPa
Coverage	50-60 ft <sup>2</sup> /Kg
Packaging	5 kg, 30 kg
Shelf Life	6 months in above conditions when stored at 26 °C

## APPLICATION DATA:

**1. Surface Preparation:** Apply to clean, dry or damp (free of standing water) substrates free of grease, oil, dirt, coatings or other materials which may inhibit adhesion. Steel surfaces should be free of rust and scale for maximum effectiveness.

DIV. 13: SURFACE TREATMENT



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Surfix AC/R2-10-2015





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**2. Mixing:** Material is single component ready-to-use with various additives. Mix well before use as additives may get settled on long standing the pack. Dilution with water up to 20% may allowed.

**3. Application:** Apply by brush, roller or squeegee. On porous surfaces, apply in such a manner that material briefly "floods" the surface, allowing good penetration. If material is completely absorbed, apply additional material. On smooth surfaces apply even, thin films. If excess material is ponded, spread or remove. **Nominal coverage rate is 50 - 60 sq. ft. per kg.** Actual coverage will vary with surface texture, porosity and application technique. If desired, more than one coat may be applied. For best results, apply second coat within 24 hours of first coat application.

**4. Topping:** New concrete or other cementitious/ non-cementitious topping/patching materials may be applied at any point after 24 hours of Surfix **AC** application, or fully air cured. Do not apply toppings over **Surfix AC** which is cured to a tack-free or near tack-free state. Reapply **Surfix AC** the above instructions if necessary, to assure proper bonding under such conditions.

**5. Limitations:** Do not apply below 5°C or when temperatures of substrate, air or topping may fall below 5°C within 8 hours of application. Do not apply against hydrostatic pressure from behind the slab, as this product is not intended for negative-side waterproofing.

**6. Curing, Handling, Clean-up:** Clean tools immediately after use with clean water. Avoid skin and eye contact. Use with adequate ventilation. Observe all safety handling, storage and personal protection guidelines as detailed in the Material Safety Data Sheets provided with this product. Temperature affects curing, handling and spreading.

## PACKING:

1 lit, 5 lit, 20 lit pail

## STORAGE:

Store in dry, frost-free conditions at moderate temperatures not greater than 25 °c.

## WARRANTY

Multichem Group warrants **Surfix AC** to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of **Surfix AC**.

Because Multichem Group does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem Group specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem Group part. Multichem Group neither assumes nor authorizes any person to assume for Multichem Group any liability in connection with the sale and installation of **Surfix AC**.

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Page 2

