



## **RENDERGRIP A**

### **Acrylic Bonding Agent, Curing compound and Primer**

#### **DESCRIPTION**

**Aftek Rendergrip A** is a milky white, single component acrylic emulsion. **Aftek Rendergrip A** is the recommended primer, bonding agent and curing compound for use with **Aftek's** range of concrete repair systems.

#### **FEATURES:**

Allows the optimum build of Aftek's repair mortars. Including Penapatch High Build, Penapatch HB80, Penapatch HB50, Fairing Coat Mortar and Penapatch Panel LW.

- Can be used internally and externally
- Resistant to hydrolysis
- High ultimate bond strength between repair mortar and concrete substrate
- Non-Hazardous

#### **RECOMMENDED USES:**

- Bonding new to old concrete
- Sealing concrete surfaces
- For use in vertical, horizontal or overhead applications
- As a curing compound it reduces premature drying out of repair mortar

#### **DIRECTIONS FOR USE:**

##### **Surface Preparation**

The substrate must be clean, sound and free of dust and loose particles. Cement laitance, oil, grease, mould release oil or curing compound must be removed from concrete surfaces by using wire brush, bush hammer, scabber, grit blasting or other means. Steel surfaces should be degreased with a suitable solvent or treated by grit blasting. Steel rebars must also be clean from grease, oil or rust and Aftek Zinc Primer Applied. When repairing spalled or deteriorated concrete, ensure that the concrete has been cut back to sound material. In cases where corrosion is present, wire brushing to a clean bright surface is sufficient. Before applying **Aftek Rendergrip A** pre-wet the substrate thoroughly to saturate to pores completely with water. During application of **Aftek Rendergrip A** the temperature of the substrate should not be below +5°C. To avoid too high surface temperature, it is advised to shadow areas for the period of applications.

##### **As a Priming / Bonding Agent**

**Aftek Rendergrip A** is supplied in a form that is ready to use. **DO NOT DILUTE WITH WATER.** All repairs whether vertical or horizontal, should be prepared by saw cutting 10mm around the extremity of the repair. This avoids thin section or feather edging of the repair mortar. Pre-soak and the clean substrate with clean fresh water and ensure the concrete is damp and not wet (there should be no free water present) prior to application of **Aftek Rendergrip A**



## RENDERGRIP A

Apply **Aftek Rendergrip A** at a coverage rate of 4-5m<sup>2</sup> per litre to the damp (not wet) concrete substrate using a brush ensuring the complete surface is covered and wetted out. If the substrate is extremely porous, a second coat of **Aftek Rendergrip A** may be required. This second coat may be applied after the first coat has dried (20-30 minutes). Allow the **Aftek Rendergrip A** to reach a tacky consistency, normally 10-20 minutes after application depending on ambient temperatures, prior to application of Aftek concrete repair mortar range. Do not allow primer to cure longer than 8 hours prior to application of repair mortar. If **Aftek Rendergrip A** has dried longer than 8-12 hours a fresh coat of **Aftek Rendergrip A** should be applied. This will ensure maximum adhesion. For overhead and vertical applications do not apply excessive **Aftek Rendergrip A** as this will result in the repair mortar slipping in high build applications.

### As A Curing Agent

On completion of applying and finishing off the repair mortar to prevent excessive moisture loss and rapid drying off the repair mortar resulting in surface cracking it is advised to apply **Aftek Rendergrip A** over the surface. **Aftek Rendergrip A** should be applied by brush, roller or spray application immediately after final trowel in a continuous film over the repair mortar. **Aftek Rendergrip A** can be over coated with the Aftek's range of protective coatings after full cure.

### MIXING:

No mixing is required, use directly from container.

### IMPORTANT NOTES:

- Do not apply **Aftek Rendergrip A** or Aftek repair mortar in temperatures exceeding 35 Degrees Celsius.
- Ensure area to be repaired is not exposed to direct sunlight, rain, wind or frost.
- Do not apply Aftek repair mortar to an unprimed surface
- Do not use at temperatures below 2°C
- Do not use as a primer for polyurethane adhesive, coatings and sealants.
- For steel reinforcement apply Aftek Zinc Primer to steel

### PROPERTIES:

<b>Solids content by weight</b>	50% Approx.
<b>Colour</b>	Milky White
<b>Supply form</b>	Liquid
<b>Specific gravity</b>	1.06/cm <sup>3</sup>
<b>Viscosity 20°C</b>	450-500cps
<b>Chemical resistance</b>	Resists alkalis, mild acids, sulphates, chlorides and sugars
<b>Dry film colour</b>	Clear

<b>Minimum film forming temperature</b>	3°C
<b>PH value</b>	8.5-9.5
<b>Solubility</b>	Soluble in water
<b>Water absorption</b>	12% after 24 hours
<b>Frost Thaw Resistance</b>	Excellent
<b>Bond strength to concrete</b>	>1.5MPa

### STORAGE

12 months in a dry cool place in original container.

### PACKAGING:

**Aftek Rendergrip A** is available in 1 Litre, 5 Litre and 20 Litre packages.



# RENDERGIP A

## Safety Directions

Avoid contact with skin and eyes - avoid breathing its vapour - wear protective gloves and goggles when decanting, mixing or using.

Keep away from sources of ignition - no smoking or naked lights - keep container sealed when not in use - store in a cool place.

Ensure adequate ventilation of area when using. Remove all non-canned food items from area if adequate ventilation not possible during application and drying.

## TECHNICAL SUPPORT

Aftek manufactures a comprehensive range of high quality and performance construction products. In addition, Aftek offers technical support and on-site advice to specifiers, end users and contractors. Please contact your Aftek sales representative or Head Office for this service.

Product: Rendergrip A
Issue Date: JAN 2017
Issue No: DO2



The information and any recommendations relating to the application and end-use of all IAFTEK products are provided in good faith based on AFTEK's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by AFTEK. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions. PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.