

OVERVIEW

ADDGRIP ACR is a single component white emulsion of milky appearance, based upon modified acrylic resins. It is formulated for use as a bonding agent for old concrete and new concrete. It is also versatile useful to modify cementitious mortars. The product is ready to use, has exceptional grab characteristics and develops a tenacious bond of the new mortar. **ADDGRIP ACR** may be used in external or internal applications, it is not recommended for permanently wet or submerged service conditions.

Properties :

- Excellent adhesion to a wide range of cementitious substrates
- Improves toughness and flexibility, reduces chance of cracking in mortars and screeds
- Improves mortar tensile strength and impact resistance
- Increases wear resistance and frost resistance
- Suitable for interior and exterior applications

PRODUCT MANAGEMENT

Coverage :

As a bonding agent: 5-8m²/ltr depend on the substrate
As a curing agent: 4-5m²/ltr

Method of Application

Application Procedure: **ADDGRIP ACR** can be used neat or diluted with water. Levels quoted in the application section are given only as a guide. Dosage will vary depending upon the application. As with all bonding mediums, the quality of surface preparation has a direct influence on the effectiveness and durability of the repair. Saw cut the perimeter of areas to be treated to a minimum depth of 15mm to avoid feather edging of the repair mortar. Loose, contaminated, or damaged concrete should be removed and the full circumstances of any corroded reinforcing steel exposed to reveal a gap of 20mm behind steel. Prior to application of the **ADDGRIP ACR**, the substrate should be soaked with copious amounts of clean water for a minimum period of one hour. Remove standing surface water from flatwork.

Appropriation

- Bonding aid for new and old concrete / mortar
- Repair and patching of concrete areas
Terrazzo.
- Water resistant toppings
- Bonding brick slips, tiles, stones, wall capping, repointing brick work and protection of concrete from dampness
- Architectural panels, bridge decks and high way repairs

Method of Application

ADDGRIP ACR is applied by brush using a stippling action rather than a painting action and ensuring the surface is completely covered. The repair mortar should be applied whilst the primer is still tacky, reapplying as necessary to achieve this. Care to be taken not to over apply as excessive primer may cause high build applications to slip. **ADDGRIP ACR** may be spray applied as a curing aid to cementitious repairs. As a bonding agent, for cement screeds and renderings, plaster etc., the background must be sound since the adhesion of the mortar to the floor; wall or ceiling will only be as good as the substrate.

Remove all flaking and cracking paint, plaster etc. from the substrate. It must be stable thoroughly clean and free from oil, grease or any loose particles. Seal the surface using one part **ADDGRIP ACR** with two parts of water. Allow this to dry, and then apply a bonding coat of one part **ADDGRIP ACR** diluted with one part water. Screed, plaster or render on the tacky bonding coat using normal techniques. Cure cementitious screeds and renders properly

GRIPMIX provides an extensive range of products and services for most concrete and finishing needs. Please contact the GRIPMIX for Building Construction Materials Trading Co. LLC-Dubai for further information, samples, demonstrations and instructor services. The information presented in this leaflet is based upon laboratory research, as well as comprehensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on GRIPMIX's current state of knowledge and is intended to provide general information on GRIPMIX's products and their methods of use. The potential user is recommended to determine the suitability of GRIPMIX's suggestions and products before adopting them on a commercial scale.



Health & Safety

ADDGRIP ACR contains no poisonous substance. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each GRIPMIX product.

PACKAGING & STORAGE

ADDGRIP ACR is available in 20 kg and 200 kg drums. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers. Should be stored in cool, shaded and dry warehouses, similar to cement. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

TECHNICAL DATA

Product	ADDGRIP ACR
Appearance	White color liquid
Composition	Acrylic resin
Specific gravity	1.03 +0.02
Application temperature	above 5oC to 45oC
Service temperature	20oC to + 60oC
Solid Content	20 to 25%