



**Unitex**  
22 Park Drive  
Dandenong VIC 3175  
Phone: (03) 9768 4900  
Fax (03) 9768 4999  
[www.unitex.com.au](http://www.unitex.com.au)

**Unitex (NSW)**  
14 Artisan Road  
Seven Hills NSW 2147  
Phone: (02) 9838 0911  
Fax (02) 9838 9555  
[www.unitex.com.au](http://www.unitex.com.au)

**URW (Oakleigh)**  
1346 North Road  
Oakleigh VIC 3167  
Phone: 1800 RENDER  
Fax (03) 9544 3620  
[www.render.com.au](http://www.render.com.au)

**URW (SA)**  
2/54-56 Cavan Road  
Dry Creek SA 5094  
Phone: (08) 8262 7900  
Fax (08) 8262 7922  
[www.render.com.au](http://www.render.com.au)

## Technical Data Sheet

### Unitex® Aero Adhesive for AAC

Unitex Aero Adhesive is another Unitex Technical Team engineered product from the Unitex Product Development Laboratory and designed as the Unitex specified AAC Panel Edge Adhesive.

The Aero Adhesive is suitable for bonding and gap filling suitably prepared AAC surfaces, i.e panel edge to panel edge and is approved for use externally and internally on Building structure walls as described in AAC Installation Manuals.

It is a fine powder, resin-modified, cement based medium bond adhesive exhibiting stronger adhesive strength than the surface internal cohesive strength of the AAC panel edge.

Unitex branded AAC adhesive has been made for and supplied to Australia's major AAC manufacturer and importers for over 5 years without issue.

You can be confident when using Unitex Aero Adhesive for your next AAC application.

#### Application

The Unitex Aero adhesive comes in 20kg sacks and is to be added to approximately 4.5 litres of clean water and electric drill paddle mixed to an even, lump free homogeneous consistency.

The addition of too much water (slump) can lead to shrinkage, cracking on drying. So on hot days, and or very absorbent AAC, a little more water for adhesive wetting in the mix is acceptable. Best practice is to reduce the absorption of the surface AAC i.e with AAC panel edge pre-treated with Unitex Cembond resin rich acrylic primer.

Once mixed, the pot-life is 1-2 hours.

Do not attempt to keep extending pot life with additional water, as adhesion is reduced and cracking and shrinkage is a possible result.

#### Application Details

Apply and use as per the AAC suppliers site installation instructions, but generally Unitex Guidelines are as below:

You must follow AAC suppliers installation manuals always in preference to the Unitex Aero Adhesive application guidelines.

- In use the Aero Adhesive is mixed lump free and of desired viscosity and always freshly made
- The panel to panel edges are suitably prepared, dust free and dry
- The panel to panel edges are to be set level at front face of the AAC to be within best specified tolerances for later render application (also from Unitex Aero Render) and to be after adhesion 2-4mm maximum separation between panel edges
- With the usual AAC notched scoop applicator, apply enough Unitex Aero Adhesive to achieve full edge to edge adhesion from rear edge to front edge allowing some Aero Adhesive to ooze out the front face junction to be then after then panels are squeezed together, as soon as possible, troweled off smooth to feather and level the panel to panel junction with nil lumps and spread on the panel surface at minimal width.
- Squeeze panel edges together as fast as possible, giving accuracy, set/fix/stabilize rapidly to the wall and trowel off the squeezed out Aero Adhesive at front face to provide a true and level feathered open render/ preferably with a renders trowel, and final surface sponge to provide a sandy surface.
- Protect wall from builders and building movement for a minimum of 24 hours to allow Aero Adhesive to set crack free.
- If movement cracks do occur, they need to be ground out and junction re-filled and bonded with fresh Aero Adhesive.
- Structural cracking needs to be addressed with regular installed expansion joints \*location of expansion joints and the responsibility of the builder and or engineer
- Adhesives such as Aero Adhesive should not be applied at temperatures below 8 degrees Celsius or above 30 degrees Celsius as adhesive strength may be lost



**Unitex**  
22 Park Drive  
Dandenong VIC 3175  
Phone: (03) 9768 4900  
Fax (03) 9768 4999  
[www.unitex.com.au](http://www.unitex.com.au)

**Unitex (NSW)**  
14 Artisan Road  
Seven Hills NSW 2147  
Phone: (02) 9838 0911  
Fax (02) 9838 9555  
[www.unitex.com.au](http://www.unitex.com.au)

**URW (Oakleigh)**  
1346 North Road  
Oakleigh VIC 3167  
Phone: 1800 RENDER  
Fax (03) 9544 3620  
[www.render.com.au](http://www.render.com.au)

**URW (SA)**  
2/54-56 Cavan Road  
Dry Creek SA 5094  
Phone: (08) 8262 7900  
Fax (08) 8262 7922  
[www.render.com.au](http://www.render.com.au)

- Tensile strength is stronger than cohesive strength of the AAC surface

### Coverage

Generally coverage is 1 to 2 bags per AAC pack, which is enough to 20-25m<sup>2</sup> (wall area) depending on site conditions.

### Cleanup

All of the equipment used to apply Unitex Renders, Textures and Paints are cleaned up with water and a little “elbow grease” immediately after use. Cleaning should only be carried out at the Builder’s, or own, supplied environmental cleaning station where all waste water is captured for eventual removal to recycling stations.

### Overcoating

Overcoating with Unitex Aero Render and or Unitex specified surface applied texture finishes, only after Aero Adhesive is cured and dried. Dry means <15%WME as measured by Protimeter.

- Base Render plus Top Coat System
- Single trowel Coat System
- Options for Colour

Depending on wall surface tolerances on site, a Unitex single coat trowel system can be acceptable but in site conditions of intolerances of greater than 3mm unevenness, best practice is a Unitex render coat and finished with a pigmented Unitex trowel-on acrylic texture base, or Unitex modified Redi-Texture top coat.

Finish coating of either Unitex PTC or surface treatment of clear, water-pearling agent, Unitex DrySeal.

[www.unitex.com.au](http://www.unitex.com.au) for further information

Any variations for these or other Unitex specified guidelines are only given by the Unitex Technical Director

August 2018