

Intex MegaGrip® Acrylic Stud Adhesive

1. Identification

Product Details:

Product Code:	6TSA13, 6TSA52, 6TSA08
Product Name:	Intex MegaGrip® Acrylic Stud Adhesive
Report Objective:	Investigation into whether Intex Megagrip® Stud Adhesive will adhere to Masonry bricks to various substrates including plasterboard.
Manufacturer/ Supplier By:	Intex Group International Pty Ltd (ACN 163012039) 91 - 115 McKellar Way, Epping, Victoria 3076, Australia +61 3 9357 9299 (or 1300 107 108 within Australia) Intex New Zealand Pty Ltd (NZCN 7388136) 13 Mahunga Drive, Mangere Bridge, Auckland 2022, New Zealand +64 6 377 7255 (or 0800 278 276 within New Zealand) 13 11 26 (AU Poisons Info Centre) 0800 764 766 (NZ Poisons Info Centre)

2. Aim

To determine if Intex MegaGrip® stud adhesive is suitable to adhere Masonry bricks to various substrates including plasterboard.

3. Method

Two different types of masonry bricks were obtained from Bunnings; red clay bricks and concrete bricks.

Pieces of plywood were bonded to Red Clay Bricks and Concrete Bricks using a V2 trowel. The test assemblies were allowed to dry for 10 days at 23°C before testing.

Two sets of test assemblies were prepared.

1. Plywood sheets 50 mm x 100 mm were bonded to the Red Clay Bricks and Concrete Bricks for subjective delamination testing.
2. Plywood sheets 50 mm x 50 mm were bonded to the Red Clay Bricks and Concrete Bricks for tensile testing on the LBT tensile machine.

4. Results

Subjective Testing: The plywood sheets were delaminated from the bricks in a peel mode. It was found that the adhesive strength was so strong that the plywood sheets snapped in half.

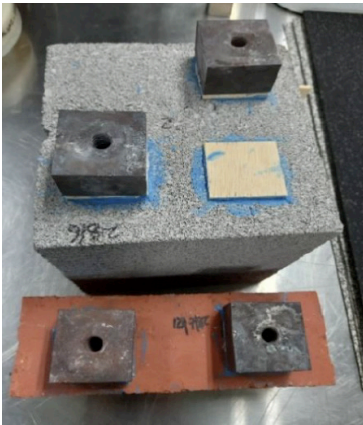


5. Tensile Testing

During tensile testing the plywood sheets were delaminated from the bricks in tension mode. It was found that the adhesive strength of the MegaGrip® was so strong that the plywood sheets brick/adhesive/plywood interface was still intact however there was breakage within the plywood sheet.

6. Tensile adhesion after 10 days at 23°C

Intex MegaGrip® (V2 Trowel)	Average Adhesion kPa	Comment	
Red Clay Brick	1,041 kPa	Very strong bond. Plywood failure	
Concrete Brick	1,193	Very strong bond. Plywood failure	



7. Conclusion

The Intex MegaGrip® was found to have excellent adhesion to both the red clay masonry bricks and concrete masonry brick and will be suitable for bonding plasterboard to masonry bricks.

Bill Paterson
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