



BRANZ Appraised
Appraisal No. 1109 [2020]

**INTEX - MEGAGRIP
ACRYLIC STUD
ADHESIVE**

Appraisal No. 1109 [2020]



BRANZ Appraisals

Technical Assessments
of products for building
and construction.



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Product

1.1 Intex - Megagrip Acrylic Stud Adhesive is a one-component, acrylic-based construction adhesive for adhering plasterboard to framing.

Scope

2.1 Intex - Megagrip Acrylic Stud Adhesive has been appraised for use as a construction adhesive in dry, internal applications when bonding the following materials:

Substrate	Plasterboard	Wet Area Plasterboard
Dry Timber	✓	
H3.1 LOSP Treated Timber	✓	✓
H1.2 Boron Treated Timber	✓	✓
Galvanised Steel	✓	✓
H3.2 CCA Treated Timber	✓	
H3.2 ACQ Treated Timber	✓	

2.2 Intex - Megagrip Acrylic Stud Adhesive has not been appraised as a structural adhesive for structural NZBC applications. Structural connections for carrying and resisting imposed loads, such as wind and earthquake must be designed using mechanical fasteners.

Building Regulations

New Zealand Building Code (NZBC)

3.1 The use of Intex - Megagrip Acrylic Stud Adhesive itself is not within the scope of the NZBC, however, the use of building elements or components such as wall or ceiling panels where the adhesive is used is controlled by the NZBC. Therefore, in the opinion of BRANZ, Intex - Megagrip Acrylic Stud Adhesive, if used, installed and maintained in accordance with the statements and conditions of this Appraisal, will contribute to meeting the following provisions of the NZBC:

Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2 and B1.3.4. Intex - Megagrip Acrylic Stud Adhesive contributes to meeting the requirements for loads arising from self-weight, imposed gravity loads arising from use, impact, and time dependent effects including creep and shrinkage [i.e. B1.3.3 (a), (b), (j) and (q)]. See Paragraph 8.1.

Clause B2 DURABILITY: Performance B2.3.1 (b), 15 years, B2.3.1 (c), 5 years and B2.3.2. Intex - Megagrip Acrylic Stud Adhesive meets these requirements. See Paragraphs 9.1-9.3.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Intex - Megagrip Acrylic Stud Adhesive meets this requirement.



Technical Specification

Intex - Megagrip Acrylic Stud Adhesive

- 4.1 Intex - Megagrip Acrylic Stud Adhesive is a one-component, water-based acrylic adhesive.
- 4.2 Intex - Megagrip Acrylic Stud Adhesive is supplied in 850g sausages, 1.3 kg or 5.2 kg buckets and is blue in colour.

Packaging, Handling and Storage

- 5.1 The sausages of Intex - Megagrip Acrylic Stud Adhesive should be handled with care to prevent damage during transport, and should be stored in the temperature range of 5°C-25°C.
- 5.2 The shelf life of Intex - Megagrip Acrylic Stud Adhesive is 12 months.

Technical Literature

- 6.1 Refer to the Appraisals listing on the BRANZ Website for details of the current Technical Literature for Intex - Megagrip Acrylic Stud Adhesive. The Technical Literature must be read in conjunction with this Appraisal. All aspects of design, use, installation and maintenance contained within the Technical Literature and within the scope of this Appraisal must be followed.

Design Information

General

- 7.1 Intex - Megagrip Acrylic Stud Adhesive is suitable for use in dry, internal applications.
- 7.2 Intex - Megagrip Acrylic Stud Adhesive type products are not referenced in the NZBC, but they can be used to help increase the stiffness and rigidity of systems, help prevent movement and squeaks at sheet edges, and reduce the number of fasteners needed in non-structural situations.
- 7.3 Intex - Megagrip Acrylic Stud Adhesive is not recommended for bonding impervious surfaces to each other, i.e. at least one material to be bonded should be porous.
- 7.4 Intex - Megagrip Acrylic Stud Adhesive must not be used to replace mechanical fixings where these have been specified by the manufacturer of the material being adhered. Lining materials used in loadbearing, bracing or some other form of specifically designed lining system (e.g. fire resistant or acoustically insulated) must be installed in accordance with the instructions of the respective manufacturer.
- 7.5 Shrinkage of framing or substrate materials, e.g. timber studs, will place stress on the bond line of the glued joint. In order to minimise shrinkage of materials that could possibly cause failure of the glued joint and/or aesthetic damage to lining materials, the moisture content of timber, or other material being bonded, must not exceed the maximum limitations stated by either the manufacturer of that material, or the maximum moisture contents stated in NZBC Acceptable Solution E2/AS1, Paragraph 10.2, whichever is the lesser. Due allowance for shrinkage and/or expansion of lining and substrate materials must be made.
- 7.6 Materials must not be glued over structural control joints in the supporting structure or substrate.
- 7.7 Due to the degree of mechanical fastenings required within the body of the plasterboard, framing alignment is critical.

Structure

General

- 8.1 When Intex - Megagrip Acrylic Stud Adhesive is used to adhere building materials as stated in the Appraisal scope (refer to Paragraph 2.1), and when used in accordance with the statements and conditions of this Appraisal, the bond line will have sufficient strength and stability to resist the elemental forces these materials will be subjected to, such as the material self-weight, light impact loads, and typical thermal and structural movement stresses.

Durability

- 9.1 Intex - Megagrip Acrylic Stud Adhesive meets code compliance with NZBC Clause B2.3.1 [b] 15 years when used to bond materials in situations that require minimum 15 years durability, e.g. shower linings, and code compliance with B2.3.1 [c] 5 years when used to bond materials in situations that require minimum 5 year durability, e.g. easy to access and replace interior wall linings.

Serviceable Life

- 9.2 Intex - Megagrip Acrylic Stud Adhesive is expected to have a serviceable life of at least 15 years.
- 9.3 This Appraisal covers cured Intex - Megagrip Acrylic Stud Adhesive only, and not the materials being bonded, which must also meet the relevant requirements of NZBC Clause B2 Durability.

Maintenance

- 10.1 Materials being adhered must be maintained as per the instructions of the respective manufacturer. No maintenance of the adhesive is required.

Prevention of Fire Occurring

- 11.1 Separation or protection must be provided to Intex - Megagrip Acrylic Stud Adhesive from heat sources such as fireplaces, heating appliances, flues and chimneys. Part 7 of NZBC Acceptable Solutions C/AS1 and C/AS2 and NZBC Verification Method C/VM1 provide methods for separation and protection of combustible materials from heat sources.

Installation Information

Installation Skill Level Requirement

- 12.1 Intex - Megagrip Acrylic Stud Adhesive is for use by general tradespersons and handypersons.

General

- 13.1 Proprietary lining materials based on materials covered by the scope of this Appraisal, i.e. paper faced gypsum plasterboard, must be installed in accordance with the written instructions of the respective manufacturers. *[Note: Many manufacturers of proprietary materials have specific fixing requirements for their materials, which have been developed after extensive product development, testing and on-going assessment of history of performance.]*
- 13.2 All surfaces to be bonded must be free of foreign material that will impair adhesion.
- 13.3 Intex - Megagrip Acrylic Stud Adhesive may be applied within the temperature range of 10°C to 40°C. The open time for Intex - Megagrip Acrylic Stud Adhesive is 30 minutes, however this will vary with temperature, and will typically be shorter for higher temperatures and longer for lower temperatures.
- 13.4 Apply a continuous bead of Intex - Megagrip Acrylic Stud Adhesive or dabs to the surface to be bonded. Where sheets butt on a stud, apply a zigzag bead to ensure the adhesive contacts both sheets. The two materials are then assembled together using sufficient nails, screws, temporary bracing or clamps to achieve contact over the total bond area. Adhesive must not be used under fasteners. The adhesive must be allowed to dry for a minimum of 24 hours before removing any temporary fasteners, supports or clamps. Maximum bond strength will be achieved in approximately 7 days.
- 13.5 Clean tools and remove excess adhesive while uncured with a wet rag. After hardening the excess adhesive can be removed with a spatula or sanded with a fine grade sand paper.

Health and Safety

- 14.1 Intex - Megagrip Acrylic Stud Adhesive must be kept away from children. If ingested, medical attention must be sought immediately.
- 14.2 Appropriate precautions must be taken when using Intex - Megagrip Acrylic Stud Adhesive to ensure good ventilation, especially in confined spaces.
- 14.3 Always consult the Intex International safety data sheet before use.



Basis of Appraisal

The following is a summary of the technical investigations carried out:

Tests

- 15.1 Testing of Intex - Megagrip Acrylic Stud Adhesive in accordance with AS 2753-1985 has been carried out to determine amongst other things: shear strength; bond strength; bond maintenance; bridging characteristics; tensile strength and flexibility after heat/humidity aging.
- 15.2 The test methods and results have been reviewed by BRANZ and found to be satisfactory.

Other Investigations

- 16.1 The performance of Intex - Megagrip Acrylic Stud Adhesive in Europe since 2011 has been considered.
- 16.2 Assessment has been made of the structural aspects and durability of the system and opinions given by BRANZ technical experts.
- 16.3 The manufacturer's Technical Literature has been examined by BRANZ and found to be satisfactory.

Quality

- 17.1 The manufacture of Intex - Megagrip Acrylic Stud Adhesive has not been examined by BRANZ but details regarding the quality and composition of the materials used were obtained by BRANZ and found to be satisfactory.
- 17.2 Quality of supply of the product is the responsibility of Intex International.
- 17.3 Quality of installation of the product on site is the responsibility of the installer.

Sources of Information

- AS 2753 - 1985 Adhesives - Mastic - For bonding gypsum plaster linings to wood and metal framing members.
- Ministry of Business, Innovation and Employment Record of amendments - Acceptable Solutions, Verification Methods and handbooks.
- The Building Regulations 1992.



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INTEX - MEGAGRIP ACRYLIC
STUD ADHESIVE



In the opinion of BRANZ, **Intex - Megagrip Acrylic Stud Adhesive** is fit for purpose and will comply with the Building Code to the extent specified in this Appraisal provided it is used, designed, installed and maintained as set out in this Appraisal.

The Appraisal is issued only to **Intex International**, and is valid until further notice, subject to the Conditions of Appraisal.

Conditions of Appraisal

1. This Appraisal:
 - a) relates only to the product as described herein;
 - b) must be read, considered and used in full together with the Technical Literature;
 - c) does not address any Legislation, Regulations, Codes or Standards, not specifically named herein;
 - d) is copyright of BRANZ.
2. **Intex International**:
 - a) continues to have the product reviewed by BRANZ;
 - b) shall notify BRANZ of any changes in product specification or quality assurance measures prior to the product being marketed;
 - c) abides by the BRANZ Appraisals Services Terms and Conditions;
 - d) warrants that the product and the manufacturing process for the product are maintained at or above the standards, levels and quality assessed and found satisfactory by BRANZ pursuant to BRANZ's Appraisal of the product.
3. BRANZ makes no representation or warranty as to:
 - a) the nature of individual examples of, batches of, or individual installations of the product, including methods and workmanship;
 - b) the presence or absence of any patent or similar rights subsisting in the product or any other product;
 - c) any guarantee or warranty offered by **Intex International**.
4. Any reference in this Appraisal to any other publication shall be read as a reference to the version of the publication specified in this Appraisal.
5. BRANZ provides no certification, guarantee, indemnity or warranty, to **Intex International** or any third party.

For BRANZ

Chelydra Percy

Chief Executive

Date of Issue:

4 December 2020