



# Fosroc® Construction Adhesive

**General purpose, high strength, gap-filling adhesive suitable for bonding a wide range of common building materials.**

## Uses

Construction Adhesive is suitable for bonding a wide range of common building materials such as:

- Timber, metal, cementitious and plaster sheets to timber or metal studs
- Plywood and particle board flooring sheets to floor joists
- Metal sidings to metal or timber studs
- Metal, timber, and other sheet or plank materials to concrete, plaster, or other rigid surfaces
- Most bonding applications where a high strength, gap filling, one component adhesive is required

## Advantages

- Easy and economical to apply
- Fast setting
- Eliminates the need for screws or nails
- Provides a tough permanent bond
- Good gap filling properties
- Bonds to most building construction materials

## Description

Construction Adhesive, a one part gap filling synthetic rubber adhesive. It is a carefully formulated blend of synthetic rubber and resins, inorganic fillers, colouring and preservative compounds borne in a specially selected blend of organic solvents designed to be compatible with and bond strongly to most common building materials. Construction Adhesive is suitable for bonding plywood, particle board, hardboard, decorative laminates, metals, concrete and most composition boards to themselves or to each other. Construction Adhesive is supplied in cartridges for ease of application.

## Technical Support

Parchem offers a comprehensive range of high performance, high quality repair, maintenance and construction products. In addition, the company offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance.

## Properties

Form:	Non slump paste
Physical or chemical change:	Solvent loss
Slump resistance:	Good
Permissible open time:	Dependent on surfaces and ambient conditions. Up to 10 minutes when used as 'wet stick' method. Up to 30 minutes when used as contact adhesive
Service temperature range:	Up to 100°C
Chemical resistance:	Resistant to water, dilute acid and alkalis, mould and fungi

## Application Instructions

### Surface preparation

All surfaces should be clean and dry. Loose dirt and contaminants should be removed by wire brushing. Painted surfaces should be roughened, oil or grease should be removed from metal surfaces using Solvent 10 and timber should be dressed and substantially free from twists. Damp timber surfaces can be bonded, provided no free water on surface, however this may modify drying time and early strength properties, so Construction Adhesive should not be used as a contact adhesive on these surfaces without initial testing.

### Application

Apply directly from cartridge to give the required bead size. Flooring is usually bonded using the "Wet Stick" method and wall panelling may be applied with this method or by the more common "Dry Stick" or contact method.

Apply Construction Adhesive to the base material, using 5 - 8 mm beads for fixing wallboards and 8 - 12 mm beads for flooring. Note that smaller or larger beads than those specified may be suitable where there is an exact fit of components or where large gaps are obvious, however initial testing is recommended to ensure suitability.

Beads should be continuous for full length of studs or joists. Where applying to a flat sheet surface, space beads 200 - 400 mm apart. Only sufficient adhesive should be applied at one time to fix one panel or board. Locate panel onto base material as soon as possible to ensure adequate transfer of adhesive, then proceed as follows.

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**Wet Stick Method:** This method is only suitable if one component is porous. Sheet or board is blocked or nailed into position and held until adhesive has lost all solvent – generally 24 - 36 hours. Permanent or temporary nailing is optional for wall panelling, but flooring requires adequate nailing at all times – follow instructions of the flooring supplier as to nailing required.

As a guide use 50 mm x 2.8 mm nails for hardwood joists and 65 mm x 2.8 mm nails for softwood joists. Adequate nailing allows reasonable use of the floor immediately.

**Dry Stick or Contact Method:** After locating panel on wall in correct position, apply firm pressure above adhesive and slide sheet slightly to ensure good transfer of adhesive.

Remove panel, or apply two or three loose panel pins to top of panel and hinge it away from wall.

Allow adhesive to dry (requires free access of air to allow solvent evaporation) for 10 - 30 minutes then recombine in the exact alignment required. Further movement at this stage may damage adhesive film, substrate or both. Apply pressure above bonded area with narrow roller or hammer and padded wood block.

## Limitations

Not suitable for use with expanded polystyrene, plasticised vinyl, polyethylene and some other plastics. It is advisable to do preliminary trials when bonding any plastic material with any adhesive.

## Supply

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**Product Code: 900083** 300 ml cartridge (10 / carton)

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## Coverage

Each 300 ml cartridge will yield approximately 15 metres of 5 mm bead or 4 metres of 10 mm bead.

## Storage

12 months in unopened container stored in a cool, dry place. Storage life is limited after seal is broken.

### Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

### Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.



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