Technical Data Sheet

# Styrobond St

## Spray Grade Polystyrene Foam Adhesive

Adheseal
The Adhesive and Sealant Specialists

## DESCRIPTION:

Styrobond ST is a specially formulated contact adhesive designed for bonding a variety of porous and non-porous materials such as sheet metals, fibre cement sheet, plywood and particle board to expanded polystyrenes foam. Styrobond ST is formulated with special solvents that, unlike those in conventional contact adhesives, will have no detrimental effect on polystyrene foam.

## TYPICAL USES:

The adhesive has a low viscosity suitable for applicators with conventional spray equipment. For details of application methods please refer to standard Everbond Contact Adhesive bulletins.

## APPLICATIONS:

Surfaces should be clean and dry. Grease, oil, dust etc., should be removed. Metals should be wiped clean with solvent for maximum bond strength. Apply a liberal, even coat to both surfaces and allow to dry. When dry, bring surfaces together and apply pressure with a wooden block and mallet, small hand roller, or mechanical nip-roller. Porous surfaces will require a heavier coat than non-porous surfaces, but average coverage of 1.5 m2 of bonded area (i.e. two surfaces) per litre can be expected using a brush, scraper of roller and 2.5 m2 of bonded area per litre using a spray application. Spray Pattern and Equipment: The spray should be directed to each surface from a distance of approx. 20-30 cm and evenly applied to each surface. Uneven spray pattern will render a weak bond, under most conditions. Spray guns and compressor units should be capable of spraying at 450-850 KPa on a sustained basis. Pressure: Pressure should be applied by use of mechanical nip-rollers with a minimum pressure of 700 Kg / m2 . Pressure by hand rollers, rubber mallets or wooden block should be sufficient to be sure edge strips and difficult to lay laminates do not lift or curl under varying atmospheric conditions. In the case of difficult laminates lifting, pressure by G Clamps or Sash Clamps should be used though the bonding period.

## DRYING TIME:

The drying time quoted is the minimum time after spreading at which the surfaces should be combined at 21$^{o}$c and average humidity. Low temperatures below 18$^{0}$c, accompanied by high humidity, may give rise to faulty bonds due to condensation of moisture, and should be avoided. It is particularly important when combining two non-porous surfaces, that the films are completely dry, as trapped solvent will affect the strength and heat resistance.

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Technical Data Sheet **Physical Properties:**

| | |
|---|---|
| Type of product | Rubber solvent |
| Curing system | Evaporation |
| Density (specific gravity) | 1.1 |
| Consistency | Sprayable Liquid |
| Thinners | Hexane |
| Application temperature | $10^{o}$c– $35^{o}$c |
| Storage: Cool Dry between | $10^{o}$c– $35^{o}$c |
| Consumption | Total 1.5$m^2$ per litre (spray applied) |
| Clean Up (whilst wet) | Hexane, Xylene |
| Clean Up (dried) | Mechanical |
| Shelf life | 12 months |
| Colours | Clear / Green |
| | |
| | |

## Safety

This product is not classified as hazardous according to Work safe Australia however skin irritation and sensitisation may occur in sensitive individuals. Please consult M.S.D.S. for this product for further information.

## Guarantee / Warranty

We warrant our products to be free of defects and manufactured to rigid quality control specification. As it is impossible to control the use and application of the products, the company's liability is limited to replacing such quantities of product as are proven to be defective. The company disclaims any claims for repainting or other labour resulting from the use of the product. No responsibility is assumed for consequential damages arising from the use of the product. All other warranties including (merchantability or fitness for a particular purpose) are excluded. No representative of the company is authorised to grant any warranty or waive this limitation of liability. All claims concerning product defects must be made within twelve months of shipment. Absence of such claim in writing during this period will constitute a waiver of all such claims with respect to such product.

## Adequate Tests

The information contained in this bulletin we believe is correct to the best of our knowledge and tests. The recommendation and suggestion contained herein are made without guarantee or representation as to the results. We recommend that adequate tests be made in your laboratory or plant to determine if this product meets all your requirements.

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