

C5154 – Technical Data Sheet



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Description

C5154 is a high-performance sprayable adhesive based on a blend of synthetic polymers and resins in non-flammable solvents.

C5154 adhesive's unique combination of aggressive tack, fast bond development and high bond strength coupled with economical cost provide a modern and safe method of bonding non-structural components.

It is ideal for the permanent bonding of all flexible foams to either themselves or to typical furniture materials such as painted metal, chipboard, hardboard, fibreglass and other types of wood. It is equally suitable for the attachment of furnishing fabrics including backed PVC and backing materials such as hessian, felt and upholstery padding. Bonds made with **C5154** are permanent and secure when exposed to the temperature and ageing conditions likely to be found in service.

Key Information

- High performance sprayable contact adhesive
- Based on non-flammable solvents
- Excellent heat resistance
- Short open time
- Exceptionally versatile
- Easy to use

Typical Uses

C5154 can be used for the following purposes:

- Bonding a variety of materials for furniture and upholstery
- Foam conversion

Product Characteristics

The following technical information and data should be considered representative or typical only. Therefore, the information should not be used for specification purpose.

Colour	Clear / red
Base	Polychloroprene
Consistency	Liquid
Specific Gravity	1.23
Total Solids Content	14.0 – 16.5%
Viscosity (20°C)	300-600 cP
Open Joint Time	Immediate – 10 minutes*
Cure Time	7 days
Heat Resistance	Up to 95°C
Coverage	5 to 9 m ² / litre

Product Performance

The following technical information and data should be considered representative or typical only. Therefore, the information should not be used for specification purpose.

Test	Substrates	Results / Observations
Shear Test (70°C)	Polypropylene	300N

Handling and Applications

It is advised that users conduct their own tests to determine the suitability of the product for their specific application.

Process Step	Guidelines
Surface preparation	All substrates must be clean of any dust, grit, loose material, wax, grease and oil using a suitable cleaner. The materials to be bonded should be dry.
Adhesive application	<p>TWO-WAY STICK</p> <ol style="list-style-type: none">1. Spray-apply an even coating of C5154 on to both surfaces that are to be bonded.2. Bonds should be consolidated immediately or up to 10 minutes afterwards dependent on the conditions, porosity of the substrate and the amount of adhesive applied.3. Locate the coated surfaces accurately before bringing them into contact, as an immediate bond will be formed.4. Apply firm even pressure to consolidate the bond. <p>In certain application, the high tack properties of C5154 allow a one-way stick operation. Follow the procedure above, only applying the adhesive in a thicker coat to one of the substrates.</p>
Curing	The immediate high contact bond strength increases appreciably within the next 48 hours and will develop still further in service. For the best heat resistance, leave at room temperature for 7 days, before placing in to service.
Cleaning	A suitable cleaner, such as C1011, should be used to remove residues from surfaces.

Precaution

1. **C5154** is classified as hazardous according to Directive EC 1272/2008. Please refer to the C5154 Safety Data Sheet for further health & safety information.
2. Stored in well-sealed containers, **C5154** will keep satisfactorily for up to 12 months, from date of manufacture. **C5154** must be protected from frost and stored between 5 – 25°C.

Please consult the C5154 Health & Safety Data Sheet for statutory regulation information.

Information relating to the products of Bondrite Adhesive Limited is based on tests carried out under laboratory conditions. If any of our products are not used in accordance with our instructions or are used under conditions which vary from our laboratory, they may not perform in accordance with any information provided and Bondrite shall not have any liability in this case. Bondrite will accordingly provide samples of our products, on request and free of charge, for Customers to carry out their own tests as to suitability of our product for their purposes and as used in their intended environment.

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