

Foam (A7153)

Sprayable Foam & Plastic Adhesive (1K MCPU Contact)



Apollo Foam (A7153) has been developed specifically for the efficient manufacture of foam products, including sport safety items and interior car trims. It is a single-component non-flammable sprayable moisture-curing polyurethane 'contact type' adhesive (1K MCPU Contact) that offers the manufacturer many benefits:

- **Ideal for a range of foam applications**
- **Extremely economical**
- **Minimises production time**
- **Minimises investment requirements**
- **Safety credentials**

Ideal for a range of foam applications: securely bonds foam to a wide range of plastics

Apollo Foam (A7153) is a multipurpose adhesive suitable for many foam applications. It securely bonds foam to a wide range of plastics, including both plasticised and unplasticised PVC (uPVC). The strength of the bond created by Apollo Foam (A7153) is comparable to that of a contact adhesive. It is also resistant to temperatures between -30-150°C once fully cured.

Extremely economical: sprayable one-way stick high-solid adhesive

One of the key benefits of Apollo Foam (A7153) is that it has an economical usage rate. This is due to its high solid content and one-way stick application. Spraying ensures excellent coverage and reduces wastage of the product, whilst its one-way stick application keeps the amount of adhesive you need to a minimum.

Minimises production time: single-component MCPU with aggressive tack and green-strength.

At Apollo, we understand that you need to minimise production time, and Apollo Foam (A7153) has been developed with this in mind. It is a single-component MCPU that requires no mixing and is applied to substrates with a spraygun. Apollo Foam (A7153) also permits the quick handling of bonded substrates because it develops aggressive tack and green-strength within a minute. It also only takes 24 hours for Apollo Foam (A7153) to achieve full strength.

Minimises investment requirements: machine or hand-sprayable

There is no need to invest in machinery should you not wish to in order to use Apollo Foam (A7153). It is suitable for use with a range of machinery/equipment, but will also give an excellent coverage rate when sprayed by hand.

Safety credentials: non-flammable solvent

Safety credentials are becoming increasingly important in all industries. Apollo (A7153) is a non-flammable solvent, which allows safe storage onsite.



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Instructions for use:

Substrate preparation/priming:

1. Ensure surfaces to be bonded are clean and free from grease and other contaminants. Metal surfaces in particular should be grease free and flexible foams should not be contaminated with silicone lubricants from the cutting operation.

Application:

1. Apollo Foam (A7153) may be sprayed by hand or sprayed through most equipment, but for best results we recommend a DeVilbiss JGV-562 gun fitted with an FX fluid tip/needle and a 777 air-cap. An atomising pressure of 40-80 psi and a fluid pressure of 20-40 psi is required.
2. Apply Apollo Foam (A7153) to one surface of the glue line. The amount required will depend on the porosity of the substrates (usually the less porous is sprayed), but is normally in the range of 25-50g (dry) per square metre.
3. The surfaces should be joined within one minute of the

adhesive being sprayed (depending on atmospheric conditions) and pressure applied via nip rollers or a short period in a platen or other type of press.

NB One of the substrates to be bonded must be porous/permeable.

Packaging:

Apollo Foam (A7153) comes supplied in a 20 litre plastic poly bottle.



20 litre poly bottle

Technical Data

Base	Polyurethane	Tack-Life (20°C)	1 minute
Appearance	Neutral	Viscosity	100cps
Application Temperature	5-30°C	Storage	5-25°C
Temperature Resistance	-30-150°C	Environmental	See MSDS
Coverage	10m ² /litre		

IMPORTANT NOTES:

Temperature and timings: All information on temperature and timings represent normal working conditions and is provided as a guideline only. However, please contact Apollo for advice if you wish to operate outside of these parameters.

Storage and handling: The product should be stored unopened in a dry condition at a temperature of 5-25°C. This will ensure the stated shelf-life. The adhesive will have a limited life once the container is opened.

Disclaimer: Apollo has taken care to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact Apollo to check whether there have been any changes to the information since publication of the literature. Please ensure you have read the hazard labels and material safety data sheet before using this product.

Please contact your Apollo Account Manager or Apollo Distributor if you require further information on Apollo Adhesive Solutions and/or on our product range (www.apolloadhesivesolutions.co.uk). If this specific product does not meet your exact requirements, please ask us about the product variations we offer or whether we can work with you to develop a bespoke solution (subject to volume).