

## **Marine (A3701 A/B)**

### **PVC Adhesive (2K PU)**



Apollo Marine (A3701 A/B) allows you to securely bond and safely repair PVC inflatable products, including boats and life-saving equipment. It is a two-component 'contact type' polyurethane adhesive (2K PU) that gives the manufacturer or user the following benefits:

- **Securely bonds PVC**
- **Withstands extreme environmental conditions**
- **Extremely versatile**
- **Suitable for professional and non-professional use**
- **Minimises cost and task-time**



#### **Securely bonds PVC: developed specifically for bonding PVC**

At Apollo, we understand that PVC material has many benefits for the construction of marine products; it is lightweight, flexible and durable. However, we are also aware that most adhesives will cause PVC to leach plasticisers, resulting in bond failure. Apollo Marine (A3701 A/B) ensures a secure bond because it is resistant to plasticisers and has been developed specifically for adhering PVC.

#### **Withstands extreme environmental conditions: heat, chemical and water-resistant**

PVC inflatable products are subject to wear and tear, especially boats and life-saving equipment. These products are constantly being dragged in and out of salt water and left to dry in intense temperatures. Apollo Marine (A3701 A/B) is able to withstand such extreme conditions. It has a temperature resistance of -30-120°C and is resistant to both sea water and chemicals.

#### **Extremely versatile: multipurpose adhesive, with several uses**

Apollo Marine (A3701 A/B) is a two-component multipurpose adhesive that bonds plasticised and unplasticised PVC, as well as nylon fabric, polyurethane fabric and foam. The versatility of Apollo (A3701 A/B) reduces the number of additional adhesives you need to store onsite. Apollo Marine (A3701 A/B) is also suitable for use as a one-component product for temporary repairs, which is highly convenient if a repair needs to be dealt with quickly and effectively.

#### **Suitable for professional and non-professional use: toluene-free adhesive**

It is illegal to sell adhesives that contain toluene to the general public because of the risks it may pose to human health. Apollo Marine (A3701 A/B) is a toluene-free adhesive, which means you can sell it to both professional and non-professional customers. This gives you a larger potential customer base, especially if you wish to sell Apollo Marine (A3701 A/B) to customers who require an easy-to-use repair product.

#### **Minimises cost and task-time: simple to apply and develops a 'contact type' bond**

Apollo Marine (A3701 A/B) eliminates the need for you to invest in expensive application equipment because it is easily and quickly applied with a brush or roller. It also forms a 'contact type' bond after substrates have been pressed together. This gives excellent handling strength, which allows you to move on to the next stage in the process quickly.

## Instructions for use:

Apollo Marine (A3701 A/B) is a two-component product, which consists of an adhesive (A3701/component A) and a curing agent (A107/component B). Apollo Marine (A3701 A/B) can be used on its own for temporary repairs.

### Substrate preparation/priming:

1. Ensure surfaces to be bonded are clean and free from grease and other contaminants. We recommend that you abrade substrates with a clean emery cloth or wipe with Solvent 6.

### Application:

1. Mix components A (adhesive) & B (curing agent) of Apollo Marine (A3701 A/B) for five minutes (approximately). Ideally, mix in the proportions supplied or by components A & B at a ratio of 100:6 by weight.
2. Apply an even coat of the mixed adhesive to both surfaces with a brush, roller coater or serrated trowel. Allow the adhesive to dry for 5-15 minutes or until it is dry to touch (knuckles).

**Please note: Applying two thin coats of adhesive is preferable to ensure maximum adhesion. Leave the first coat to dry for approximately 20-30 minutes**

**before applying the final coat. Allow the final coat to dry for 5 to 15 minutes.**

3. Join the surfaces together using as much pressure as possible. This is to prevent air entrapment. Components may be handled within minutes of being bonded.

### Packaging:

Apollo Marine (A3701 A/B) comes supplied in 1 litre and 5 litre lever lid tins, which are easy to open. Apollo Marine (A107) is supplied in a 40ml and 200ml glass bottles.



5 litre lever lid and 200ml glass bottle

## Technical Data

Base	Polyurethane	Tack-Life (20°C)	5 minutes
Pot-Life (20°C)	4-6 hours	Coverage	4m <sup>2</sup> /litre
Appearance	Neutral	Cure-Time (20°C)	48 hours/6 days to achieve maximum strength
Application Temperature	5-30°C	Viscosity	3,000cps
Temperature Resistance	-30-120°C	Storage	5-25°C
Environmental	See MSDS		

### 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](http://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).**