

Lamination (A7532)

Panel Lamination Adhesive

1K MCPU



Apollo Lamination (A7532) was developed specifically for the manufacture of a wide range of panels, including doors, cold stores, caravans and SIPs. It is a solvent-free single-component (1K) moisture-curing polyurethane (MCPU) adhesive, which securely bonds a wide range of materials/substrates.

- Extremely versatile
- Minimises task-time
- Minimises production costs
- Weatherproof bond
- Green credentials



Extremely versatile: securely bonds to a wide range of lamination materials

The versatility of Apollo Lamination (A7532) allows you to securely bond a wide range of lamination materials including metals, GRP, plywood, plastics and most types of insulation (EPS, PIR and XPS). Its versatility also helps to reduce the number of products you need to store in your factory.

Minimises task-time: single-component adhesive with a long open-time

Apollo Lamination (A7532) helps to minimise task-time because it is a single-component adhesive that requires no mixing, thereby eliminating the risk of human mixing error. Its long open-time of 30 minutes and cure-time of 90 minutes give you enough time to complete essential tasks without being excessive.

Minimises production costs: low coat-weight and one-way stick

At Apollo, we understand that production costs are a key concern, particularly in this economic environment. This is why Apollo Lamination (A7532) was specifically formulated to offer a low coat-weight and one-way stick application to ensure economical usage.

Complete peace of mind: due to its flexible weatherproof bond

We understand you need complete confidence that the adhesive you are using can withstand extreme environmental conditions and stresses. Apollo Lamination (A7532) forms a flexible high-strength waterproof bond, which is resistant to water, extreme temperatures (-30-150°C) and even chemicals once fully cured. It also exhibits excellent aging properties.

Green credentials: solvent-free

Green credentials are becoming increasingly important across all sectors, and this is set to continue. Apollo Lamination (A7532) is a solvent-free polyurethane adhesive, which helps to meet a growing number of green issues. It also makes the product more pleasant for your employees to use, creating a more comfortable working environment.



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Instructions for use:

Substrate preparation/priming:

1. Ensure materials to be bonded are clean and free from grease dirt and other contaminants.
2. Metals should be stored in a warm environment prior to bonding to avoid the glue line chilling, which may lead to extended cure times.
3. A test panel should always be prepared when new materials are to be used.

Application:

1. Apollo Lamination (A7532) can be applied with most types of spray equipment, but for best results Apollo recommends high volume low pressure (HVLP) spray guns to reduce overspray.
2. The adhesive should be applied to one surface of the glue line. The amount applied will depend on the porosity of the substrates but is usually in the range of 70-135g per m².
3. Apply a fine mist of water to the adhesive; the amount required being approximately 10% of the weight of adhesive.

4. Surfaces to be bonded should be brought together as quickly as possible and placed under pressure within the open-time of 23 minutes.
5. The pressure required will depend on the nature of the substrates being bonded but is usually within the range of 0.5 to 0.9 bar.
6. Full cure will not be achieved for 24 hours.

Packaging:

Apollo Lamination (A7532) is supplied in a 1000 litre IBC with 50mm butterfly valve and wooden pallet. 80mm valve option, if required. Product available in other pack sizes (including 20 litre or 205 litre).



1000 litre IBC

Technical Data

Base	Polyurethane	Cure-Time	70 minutes @ 20°C
Appearance	Blue/Black	Open-Time	23 minutes @ 20°C
Temperature Resistance	-40-140°C	Shelf Life	6 months
Coverage	10m ² /ltr @ 125 gsm	Storage	5-25°C
Application Temperature	5-25°C	Health & Safety	See MSDS
Viscosity	1400-1800cps @ 20°C	Cleaner	Solvent 6

Processing Guide

Temperature	10°C	12°C	14-15°C	15°C	17½°C	20°C	22½°C	25°C
Open-Time (Minutes)	47	42	37	32	26	23	19	15
Cure-Time (Minutes)	141	126	111	96	78	69	57	45

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.



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