

technical data sheet

A100

Fast Drying High Tack Spray Adhesive

megasorber®

Megasorber A100

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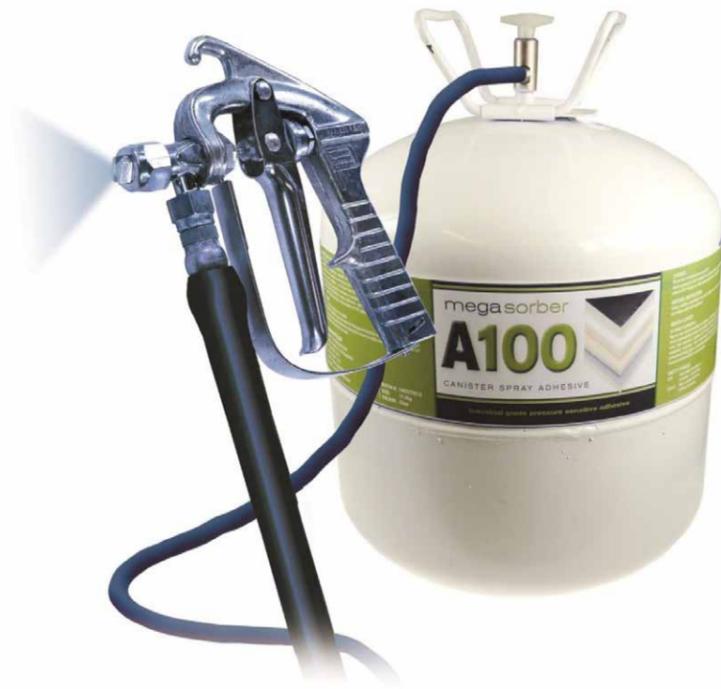
Megasorber A100 is a high tack, fast drying spray contact-bonding adhesive utilising the latest pressure sensitive adhesive technology.

Non-flammable adhesive

Megasorber A100 is designed to have high green strength (strong initial grab). It has a long open time and high tack level with good bonding strength for a variety of materials, such as foam, polyester, plasterboard, plywood, sheet metal, most hard plastics, soft fabric and leather.

Megasorber A100 has temperature resistance up to 104°C.

Megasorber A100 utilises the latest airless spray-on technology for easy application and handling. It is supplied in canister (17.2kg) or aerosol (500ml). The canister has a nonflammable propellant, making it one of the most user friendly and environmentally friendly spray on adhesives.



One canister covers approx. 100m²

Key Benefits

- Long open time.
- High initial grab.
- High bonding strength.
- Easy to apply.
- Portable and convenient.

high tack, fast curing spray adhesive

Key Features



High tack and high bonding strength.

Fast drying.

Non-flammable adhesive.

Non-flammable propellant for Canister (flammable propellant for aerosol).

Airless spray-on technology.

Environmentally friendly.

Easy to apply.

Applications

Megasorber A100 is designed for installing Megasorber range acoustic materials.

In addition to this, it also provides excellent bonding of most common materials, such as foam, polyester, aluminium, stainless steel, galvanised steel, zinc, copper, brass, powder coated metal, glass, acrylic glass, ceramics, stone, concrete, plywood, plasterboard, cement board and more.

Technical Specifications

1. Product Codes

| Product Code | Size |
|--------------------------|--------|
| Megasorber A100 Canister | 17.2kg |
| Megasorber A100 Aerosol | 500ml |

Note:

- 1) The estimated coverage is 200m² per canister (or 100m² for spraying on two surfaces).
- 2) The spray gun and spray hose are not included with the canister and need to be purchased separately.

2. Properties

- 1) Colour: Clear
- 2) Solid Content: 26% ± 2.0%
- 3) Dry time: approx. 3 to 5 minutes
- 4) Open time: Long
- 5) Flammability: Non-flammable adhesive
- 6) Temperature Resistance: up to 104°C
- 7) Propellant: Non-flammable propellant for canister; Flammable propellant for aerosol.

3. Directions for use

- 1) Substrates to be bonded must be flat and smooth.

Caution: This product is not suitable for substrates that have an uneven or textured surface. Megasorber A200 is recommended. An adhesion test is recommended for powder coated panels and for substrates with low surface energy, such as polypropylene (PP) and similar.

- 2) Surface preparation: Substrates to be bonded should be clean and free from moisture, dirt, oil and other contaminants. Megasorber AC5 is recommended for surface cleaning.
- 3) Hold spray gun at a consistent distance of 120mm to 180mm from the substrates producing a web pattern across the substrates with minimal overlap.
- 4) The adhesive should be applied at a coating weight of 2 dry grams per sq.m (dry), or 80% to 100% coverage. Schematic drawings are as follows showing the various application patterns.



Representation of a **TOO LIGHT** pattern as sprayed too quickly across the substrate. The pattern shows significant voids and indicates little adhesive disposition.



Representation of a **GOOD** pattern as sprayed from a properly adjusted gun. The pattern should have at least 90% of the surface covered with at least 2.5 grams of dry adhesive deposited per square foot of substrate.



Representation of a **TOO HEAVY** pattern as sprayed too slowly with an improperly adjusted gun. The pattern shows significant bubbling and agglomeration that can lead to solvent entrapment and poor coverage.

The company makes no guarantees based on these representations, being a two dimensional image that cannot accurately indicate the actual weight of material deposited, nor the suitability of the application.

- 5) When applying Megasorber A100 to porous materials, it may be necessary to apply two coats. Apply the first coat and allow to dry. This will act as a sealer. When dry apply the second coat and allow to tack properly before bonding. This helps to ensure that the adhesive does not soak-in to substrate and that you have the proper amount on the surface to achieve a strong, permanent bond.
- 6) Allow the adhesive to tack properly before bonding. To check for tack use the back of your fingers and press into the adhesive and lift up. Any adhesive transfer or legging indicates that the adhesive requires more time to tack. If the adhesive feels tacky, but there is no transfer or legging, the adhesive is ready for bonding. If there are heavy areas of adhesive present, press the back of your fingers in the adhesive and twist. If a skin has formed, this will tear it open and allow you to notice that the adhesive requires more dry time. Do Not use the palm of your hand to check for dryness. Dry time can vary depending on temperature, humidity and coating weight.
- 7) Bonds can be made as soon as the adhesive is dry.
- 8) Position the pieces carefully, as a strong bond is made instantly upon contact.
- 9) Use uniform pressure to ensure good film fusion. A roller is the optimum method for applying pressure. Use the maximum pressure possible without damaging the substrate.

4. Special Precautions

For optimum results store canister above 18°C during use, but must always be above 10°C. Keep canister off cold concrete floors during use. If adhesive is expelled wet or as a jet, canister is too cold – move to warm environment and allow to thoroughly acclimatise before reusing.

Megasorber A100 is not recommended for bonding materials with plasticizers (Megasorber A200 is recommended). We always recommend conducting bonding tests to ensure Megasorber products are fit for purpose

SDS and Technical Data Sheets MUST be read and understood before use. Information contained in this technical literature is believed to be accurate and offered in good faith for the benefit of the consumer. The company however cannot assume any liability or risk involved in the use of its chemical products since the conditions of use are beyond our control. Statements concerning the possible use of our products are not intended as recommendations to infringe on any patent.

5. Cleaning

Megasorber AC5 is recommended for adhesive removal and cleaning.

6. Handling and Storage

- 1) Consult Safety Data Sheet prior to use.
- 2) Do not store at temperatures over 50°C.
- 3) Avoid exposure to direct sunlight.
- 4) Do not store directly on concrete floor.
- 5) For optimum performance, store at 18°C during use, but must always be above 10°C.
- 6) When connected, keep valve open and hose pressurised at all times.
- 7) Do not close valve until ready to connect to new cylinder.
- 8) Release pressure in hose before disconnection.
- 9) Always test Megasorber A100 to determine suitability for each application prior to use in production.
- 10) Use only in well ventilated areas.
- 11) Do not thin or reactivate with solvents.
- 12) Do not incinerate containers.
- 13) Keep away from sources of ignition.

Shelf life is up to 12 months when stored in original and unopened containers.

7. Accessories



Megasorber A100 spray gun.



Megasorber A100 spray Hose.

Important notice and disclaimer

Specifications are subject to change without notice. Please contact us for the latest version. Materials and installation methods must be tested under actual service to determine their suitability for a particular purpose.

Related Products

Megasorber A200 is a high tack and high temperature resistant adhesive with temperature resistance up to 200°C. It allows re-positioning of panels. It is suitable for materials with plasticisers.

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