Technical Data Sheet

Model Board Adhesive MG 301 & 301S

Two Component, Light Weight Polyurethane Paste for use with Model Board M301

Model Board Adhesive MG 301 is a lightweight paste made with specific low density fillers. When mixed with the part B it has excellent flow characteristics. It has a high reactivity and is fast curing. Used for the adhesion of large planks of modelboard M301. A slow version, Model Board Adhesive MG 301S is also available.

Special Features

- Colour matched to Modelboard M301.
- Low density.
- Fast, room temperature cure.
- Excellent adhesion

Mix Ratio

	MG 301A / MG 301SA :	MG 301B
By Weight	100 :	50

Product Data

Property	Units	MG 301A	MG 301SA	MG 301B
Material	-	Polyol paste	Polyol paste	Isocyanate
Appearance	-	White paste	White paste	Yellow liquid
Processing / Application Time (200g, 25°C)	Minutes	3 – 5	10 – 12	-
Tack Free Time @ 25°C	Minutes	90 – 120	120 – 180	-
Full Cure Time @ 25°C	Hours	18 – 24	18 – 24	-

Processing

Slight separation may occur in Part A during transportation and storage. Ensure that the Part A is completely homogenised before processing begins. Mix the two parts thoroughly as per mixing ratio and apply by brush or pasting knife on both parts. Make sure that the model boards are clean and free of dust, dirt and grease. For best results, it is recommended that the two components are at least 20°C before mixing.

Packaging

Model Board Adhesive MG 301A / MG 301SA is supplied in 500g containers.
Model Board Adhesive MG 301B is supplied in 250g containers.

Storage

Model Board Adhesive MG 301A / MG 301SA and B should be stored in original, unopened containers between 20 and 25°C. Model Board Adhesive MG 301B may crystallise partially or completely if not stored at above 20°C. Like all polyurethanes, both components are moisture sensitive. Moisture absorption will cause excessive aeration in cast parts. KEEP THE PACKING TIGHTLY SEALED WHEN NOT IN USE.

If stored under the above conditions, will have a shelf life of 6 months, from the date of production.

Further Information

This data is not to be used for specifications. Values listed are for typical properties and should not be considered minimum or maximum.

Our technical advice, whether verbal, or in writing is given in good faith, but without warranty – this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended process and use.

Full testing should be undertaken by the customer to approve this product.

Before using any of our products, users should familiarize themselves with the relevant Technical and MSDS provided by Alchemie Ltd.

Alchemie Limited

Alchemie Ltd develops, formulate and distribute Epoxy Resins, Polyurethane Resins, Silicones, Model Boards and Sheet Wax for use in the following applications:

- Electrical encapsulation
- Rapid Prototyping
- Prototypes
- Casting
- Gel Coating
- Laminating
- Model Making
- Master Models
- Flexible and rigid mould making

We offer fast service, technical support, development expertise, innovative products, diverse knowledge and experience. We are a well-established company, with a high level of investment and experience. We implement BS EN ISO 9001.

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