



Adhesives & Sealants

PU 501 MONTAGE

Technical Data Sheet

Reviewed: 06.08.2019



DESCRIPTION

PU 501 MONTAGE is a high quality, one-component, ready to use, polyurethane-based assembly adhesive. It offers high bonding strength and high water resistance.

ADVANTAGES

- Excellent bonding and mechanical strength
- Fast application
- Self-expanding - Suitable for uneven surfaces
- Waterproof D4 DIN EN 204
- Solvent free

APPLICATIONS

- It is suitable for structural bonding of a wide range of different materials
- Aluminum profile frame corner bonding
- Wooden window – door frames and construction elements
- Garden and house furniture
- Insulation materials (i.e. EPS, XPS etc.)
- Wood, stone, concrete, metal and plastic construction elements
- Structural bonding of steel reinforcing and other construction elements in walls and concrete.
- Wood, stone, concrete, metal and plastic construction elements. Not suitable for PE & PP.

INSTRUCTIONS FOR USE

1. Surfaces must be clean, free of dust and grease.
2. Slight moistening of the substrates improves curing rate and gap filling characteristics as adhesive foams up filling any bond cavities – voids.
3. Apply **PU 501 MONTAGE** on one surface.
4. Join parts together within 10 minutes and if possible clamp parts together for at least 60 minutes.
5. Pressing the materials during curing is advisable to achieve maximum strength.

A suitability test is recommended

CLEANING

Clean tools and equipment before curing with acetone or **MERCOLA PU GUN & FOAM CLEANER**. Cured adhesive can only be removed mechanically

CONSUMPTION

300-1000 gr/m² or 25-40 gr/m

TECHNICAL CHARACTERISTICS

Base: Polyurethane

Colour: Off white

Consistency: Stable Paste

Curing System: Moisture curing

Open time: Approx. 10 min

Clamping time: At least 60 min

Final adhesion: 24h

Temperature Resistance: -30°C to +110°C

Water resistance (DIN EN 204): D4

Bonding strength: 35kg/cm²

Solid contents: 100% (solvent free)

Application temperature: +5°C - +30°C

STORAGE

In a cool and dry place at temperatures between +5°C - +25°C

SHELF LIFE

12 months in unopened packaging in the above mentioned storage conditions

PACKAGING

Tubes 80ml blister & box

Cartridges 290ml

PACKAGING	CODE	BARCODE
80ml (blister)	04213	5204094042136
80ml (box)	04214	5204094042143
290ml	04210	5204094042105

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HEALTH AND SAFETY INFORMATION



Acute Tox. 4: H332 - Harmful if inhaled Carc. 2: H351 - Suspected of causing cancer Eye Irrit. 2: H319 - Causes serious eye irritation Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled Skin Irrit. 2: H315 - Causes skin irritation Skin Sens. 1: H317 - May cause an allergic skin reaction STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure STOT SE 3: H335 - May cause respiratory irritation P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection P302+P352: IF ON SKIN: Wash with plenty of water P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P501: Dispose of contents/container according to the separated collection system used in your municipality EUH204: Contains isocyanates. May produce an allergic reaction Substances that contribute to the classification: 4,4'-methylenediphenyl diisocyanate, isomers and homologues; 4,4'-methylenediphenyl diisocyanate; Diphenylmethane-2,4'-diisocyanate; Diphenylmethane-2,2'-diisocyanate Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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