

# 612J

## Pu Express Aluminium Corner Joint

### 1 - Description

One-Component, fast curing polyurethane based adhesive with high adhesion properties which is exclusively developed for bonding the aluminum corner angles, along with all kinds of aluminum materials in building material's corner joint applications without nail and screw.

### 2 - Properties

- Perfect bonding capability to aluminum surfaces,
- Low pressing time,
- Easy to use both in vertical and horizontal surfaces with non-sag properties,
- Low consumption, economical,
- Not effected by the moisture,
- Resistant to weather conditions and chemicals,
- For both interior and exterior usage,
- Matches with natural aluminium color,
- Also provides good adhesive strength with various substrates.

### 3 - Application Areas

- Aluminum brackets, doors and windows,
- Bonding of aluminum materials to most common substrates like, wood,
- MDF, concrete, metal, polystyrene and polyurethane foam, PVC, granite, marble, glass, ceramic,
- Also can be used for bonding most building materials

### 4 - Storage and Shelf Life

Packacking	310 ml
Shelf Life	12 months
Storage Conditions	Store in cool and dry conditions between +5°C and +25°C
Color	Aluminum

## 5- Technical Properties

Method / Condition		Value
Basis		: Polyurethane Prepolimer
Consistency		: Thixotropic
Density		: 1.30 ± 0.03 gr/ml
Tack-Free Time	(23°C ve %50 R.H.)	: 5-10 min.
Pressing Time		: 15-20 min.*
Shrinkage		: None
Application Temperature		: +5°C to +35°C
Temperature Resistance		: -20°C to +70°C
Maximum Shear Strength (Beech- Beech)		
After 15 min		: > 50 kgf/cm <sup>2</sup>
After 24 hours		: > 80 kgf/cm <sup>2</sup>

\*Pressing time depends on ambience conditions (temperature, humidity etc.) and porosity of the surfaces to be bonded.

## 6- Instructions

- The substrates must be dry clean, free of dust and grease.
- The application temperature should be between 5°C and 35°C.
- Moistening the substrates slightly will provide stronger adhesion.
- Adhesive should be applied to only one side in straight or wave-like form within 2 minutes
- Mechanical fasteners must be used to keep the materials together (15-20 min.) until the adhesive cures totally.
- Fresh adhesive can be cleaned with acetone.

## 7- Restrictions

- Storage above 35 °C may shorten the shelf life
- Not suitable for polyethylene, polypropylene, nylon, ABS, PTFE
- Should be tested before application for specific substrates

## 8- Safety & Disposal

Contains Diphenylmethane-4,4 di-isocyanide. Corrosive and irritating to eyes, skin and lungs. Harmful if swallowed. Wear chemical resistant gloves and eye protection when in contact. Keep container tightly closed when not in use. Prevent spillages. For information and advice on the safe transportation, storage, and disposal of chemical products, users should refer to the most up-to-date Material Safety Data Sheet (MSDS), which contains physical, ecological, toxicological, and other safety-related data.

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