

weber PU 2A

Polyurethane based, single component, low module joint sealant

Technical Data Sheet

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■ Description

Polyurethane based, single component, low module joint sealant suitable for use sealing and bonding applications.

■ Advantages

- Easy application
- Very good adhesion on various surfaces
- Easy surface correction
- Highly flexible
- Thixotropic feature
- Resistant to weather conditions and water

■ Application areas

Used especially on vertical and horizontal joints requiring permanent flexibility and high sagging resistance in broad temperature ranges; joints of pre-cast components; joints of prefabricated components, roof and terrace dilatations; parapet corner joints; wall, floor, window and door frames.



■ Application substrates

Interiors and exteriors;

- Concrete, pre-cast concrete, fiber concrete and concrete panels
- Wood, metal, aluminium, brick, tile, marble, glass, galvanized sheets and many plastic substrates

Please consult us for all other application substrates.

■ Preparation of substrates

- Joint areas should be dry and clean while applying **weber PU 2A**; and should be free from any kind of cement, oil, adhesive and paint residues.
- No coating should be on nonporous substrates like glass and metal; cleaned with cellulosic thinner as pretreatment if necessary. Additionally, metal substrates should be treated with anticorrosive materials.
- Use of masking tapes recommended on sensitive substrates and where straight and sharp edge formation required.

■ Application conditions

- Surface and ambient temperature between +5°C and +35°C.
- Avoid application in extremely hot and/or damp weather.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.

■ Application

- During application, **weber PU 2A** should contact both sides of the joint and polyethylene cord. The material should be applied equally and continually while the tip of the cartridge remains within the joint. For correct application, the sealant should not be applied in multiple layers.
- Smooth the surface of the sealant and check for the adhesion on the substrate right after the application. Possible air bubbles in the material should be let off during this process.
- Remove masking tapes before **weber PU 2A** dries.
- **weber PU 2A** should not be used in fully closed areas as it requires moisture for curing.

■ Application tools

Caulking gun, sausage gun

■ Consumption

Joint width x Joint depth (mm)	Consumption (ml/m)	Filling made with 600 ml sausage (m)
10x10	100	6,0
15x10	150	3,9
20x10	200	3,0
25x12	300	2,0
30x15	450	1,3

■ Points of attention

- There should not be high chloride in the application area (not applicable for use in chlorinated swimming pools).
- Should not be used with silicone applied at the same time in the same environment.
- The material should be kept away from alcohol and other solvent based cleaning products.
- In cold weathers, keeping **weber PU 2A** in 20°C for a certain time enables easier application.

- For more flexibility, place polyethylene profile at the bottom of the joint before **weber PU 2A** application.
- weber PU 2A** adheres on many smooth surface structural elements without primer. However, use of **weberprim EP 2K** is recommended before application on very absorbent or glossy, treated or painted coatings.
- Width of facade joints are usually between 15-30 mm. The optimum joint width is two times of joint depth.
- Can be painted but cracks may form after the joint movements.
- Even the product is UV resistant, white coloured **weber PU 2A** might turn yellow in time.
- There should be no moisture and humidity in the application environment and joint. Otherwise, air bubbles may form in the polyurethane sealant.
- Use gloves and glasses during the application, avoid eye and skin contact.
- UV exposure may cause the sealant to discolor but will not affect performance for short time.

■ Technical specifications

PRODUCT	weber PU 2A
Chemical structure	Polyurethane
Packaging	280 ml cartridge 600 ml sausage
Colour	White, grey, roof red
Density	1,15±0,03 g/cm ³
Surface drying (25°C, %50 rh)	60-90 min
Curing speed (25°C, %50 rh)	2 mm/day
Tensile strength at break	≥1,0 MPa
Elongation at break	≥%600
%100 modulus of elongation	≥0,4 MPa
Application temperature	Between +5°C and +35°C
Serving temperature	Between -40°C and +70°C
Shore hardness	20±5 Shore A

■ Storage

Packaging	280 ml cartridge, 600 ml sausage
Shelf Life	1 year from date of manufacture when stored unopened and undamaged, away from direct sunlight, between +5°C and +25°C, in a dry, moisture-free environment.

■ Safety precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Safety Data Sheet (SDS) for further safety information, waste management and/or product disposal

LEGAL DISCLAIMER

Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş. is not responsible for any errors arising from the use of product beyond its intended purpose or not complying the application procedures mentioned above.



Access detailed documentation of the product by scanning QR or trweber.

The stated times apply for 20°C substrate and ambient temperature; increase at lower temperatures and decrease at higher temperatures.

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