

weber PU 2A

Polyurethane based, joint sealant

■ Description

Polyurethane- based, UV resistant, highly elastic, one component joint sealant.

■ Advantages

- High mechanic resistance.
- Permanent flexibility in very wide temperature ranges.

■ Range of application

- Applied in vertical and horizontal joints requiring permanent flexibility and high sagging resistance in very wide temperature ranges, in joints of pre-cast components, wall, floor, balcony, window and door frames, bridge and balcony parapets, roof applications.

■ Application substrates

- For joints of concrete, brick, wooden, metal, etc.
- Please consult us for all other application substrate.

■ Performance

- Based on: Polyurethane
- Shore A hardness (DIN 53505): ± 25
- Density: 1,35 gr/cm³
- Service temperature: between -40 °C and + 80 °C
- Elongation at break (DIN 53504): $\geq 500\%$
- Elasticity modulus (DIN 52455): $\geq 0,4$ N/mm²
- Tearing strength (DIN 53504): ≥ 1 mPa

■ Application properties

- Hardening time: 3 mm/day (23 °C, 50% humidity)
- Skin formation: +/- 90 min. (23 °C, 50% humidity)

■ Conditions of application

- The surface and ambient temperature is between: +5 °C and +30 °C.
- Avoid application under strong wind and sun.
- It should not be used on substrates which are frozen or melting or have the risk of frost within 24 hours.

■ Preparation of substrates

- Joint areas should be dry and clean, free from any kinds of cement, oil, adhesive and paint residuals.
- There should be no coating material on non-porous substrates such as glass and metal, they should be cleaned with cellulose thinner as pre-treatment if necessary. In addition, metal substrates should be treated with anti-corrosive material.
- Masking tape is recommended on sensitive substrates and if sharp edges are necessary.

■ Application

- During application of **weber PU 2A**, it should be contacted with both sides of joint and polyethylene round profile foam very well. The material should be applied in equal amount into the joint continuously. The second layer application should not be done.
- Following the application, the sealant should be leveled and checked whether it has adhered on the substrate well or not. Possible air bubbles in the substrate during this application should be blown up.
- Masking tape should be removed before **weber PU 2A** dries.
- Since **weber PU 2A** needs humidity to complete the curing, it should not be applied in complete closed area.

■ Attention points

- In cold weather, it will be useful if **weber PU 2A** is kept at 20 °C for a certain period of time before the application
- The material should not be adhered on the substrate directly by placing polyethylene round profile foam on the joint substrate for the high performance of **weber PU 2A** in joint.
- **weber PU 2A** provides adherence on many flat substrate structural components without primer. However, a minor test on painted coatings absorbent or shiny substrates is recommended before the application.
- Joint depths in façade joints generally range between 15-30 mm. The most appropriate value is joint width being approximately two times of joint depth.
- Top part of it can be painted but paint may crack after joint movements.
- Even the product is UV resistant, white **weber PU 2A** may yellow in time.
- There should not be humidity and moisture in the application environment and joint. Otherwise, air bubbles may form in polyurethane putty.
- Use gloves and goggles during application and avoid skin and eye contact.

■ Limits of application

- There should not be high chloride in the application environment (Not applicable on chlorinated swimming pools).
- It is not used with silicone applied in the same environment and time.
- The material should be kept away from alcohol and other solvent based cleaning materials during curing.

■ Consumption

Joint width x Joint depth (mm)	Consumption mt / (cm ³)	Filling of 0,600 lt (mt)
10 x 10	100	6,0
15 x 10	150	3,9
20 x 10	200	3,0
25 x 12	300	2,0
30 x 15	450	1,3

■ Packaging

0,300 lt cartridge or 0,600 lt sausage.

■ Color

White, grey.

■ Shelf life

1 year as of the production date in dry and moisture-free environment provided that packages will not be opened. Package should be kept tightly closed when not in use.

FOR INFO

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

> **Saint-Gobain Weber Yapı Kim. San. ve Tic. A.Ş.** is not responsible for the application errors arising from use of product beyond its intended purpose or failure to comply with the foregoing application conditions and advice on the product.



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