

HW-PU32

Low Modulus Construction PU Sealant

Product Description

HW-PU32 polyurethane construction sealant is a permanently elastic, one component, gun grade polyurethane construction sealant. It cures under the influence of atmospheric moisture to form a low modulus sealant with excellent adhesive properties and resistance to ageing and weathering

Where To Use

- Sealing expansion and construction joints in vertical and horizontal applications;
- Joints in precast elements;
- External walling and cladding joints;
- Weatherproofing of joints between brickwork, block-work, masonry, wood and concrete or metal frames;
- Joints in walls, floors, balconies, around window or door frames;
- Bridge and balcony parapets;
- Retaining walls and Roofing;

Product Features

- Non-sag consistency;
- Non-sticky / does not pick up dirt;
- Good adhesion on all typical construction materials.
- Excellent resistance to aging, weathering;
- Over-paintable with many water, solvent based paints
- (preliminary tests recommended);

Storage And Transportation

- During transportation, it should be protected from freezing, rain, direct sunlight, and packaging damage.
- Store in a dry, ventilated, and cool place.
- Under normal storage and transportation conditions, the shelf life of the product is 12 months from the date of production.

Supply

600ml foil pack, black/grey/white;
20 psc / carton

Construction Procedure

- APPLICATION TEMPERATURE: +5 °C to +35 °C;
- Clean with a cleaning agent, to keep the substrate surfaces completely clean (JOIN LEADER also provide the cleaning agent for your convenience);
- The surface cleaning of the substrate must be done with non-fluffy cotton white cloth and clean solvent such as toluene or acetone, and caulking should be done within one hour to avoid recontamination;
- AUse the sealant after cleaning agent dries, around 1~2mins later. You can use two different cloth, one for cleaning agent, and the other for sealant. (Notice that the two can't be mixed use together, and the second cloth will be better purified cotton and no picking.);
- For better appearance, cover outside of joint areas with masking taps before application.

Technical Data Based For Reference

Tested according to: ISO 11600/F/20LM and DIN 18540/F

Items	Requirement	Test Std
Chemical basis	Polyurethane	
Cure mechanism	Moisture curing	
Specific weight	1,40 ± 0,02 gr/cc	
Tack free time at 23°C and 50% r.h.	100'~150'	
Curing at 23°C and 50% r.h	≥ 2,0 mm/24h	
Hardness,Shore A	≈ 25	DIN 53505
Elastic modulus at 100%	0.4 ± 0,1 N/mm ²	DIN 52455
Tensile strength	1,0 ± 0,1 N/mm ²	DIN 53504
Elongation at break	≥600	DIN 53504
Elastic recovery	85%	DIN 52458
Admissible joint movement	25 % total movement capacity	
Application temperature	+5°C to +35°C	
Temperature resistance	- 40°C / +90°C	

Chemical Resistance

Long term resistance to fresh water, seawater, limewater, diluted acids and aqueous cleaners. Short term resistance to Petrol, grease and mineral oil. Not resistant to organic acids, concentrated mineral acids, caustic solutions or solvents. This information is offered for general guidance only. Advice for specific applications will be issued after consultation.

KESHUN WATERPROOF TECHNOLOGY CO.,LTD (STOCK CODE: 300737)

ADD: No.38-1, Hongqi Zhong Road, Ronggui, Shunde District, Foshan, Guangdong Province, China

Tel: 0086-757-28637166 | Email: sales@keshun.com.cn | Web: <https://cks.keshun.com.cn>

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.