weber seal PU 2000 Formerly "Jointseal.PU 2000"

WATERPROOFING

Two component high performance fuel resistant polyurethane joint sealant

PRODUCT

weber seal PU 2000 is a two-part high performance fuel resistant polyurethane sealant for use in horizontal joints. This grade, level itself to form a smooth and clean surface, when cured **weber seal PU 2000** forms a tough, flexible seal that withstand cyclic ,expansion and compression movement. **weber seal PU 2000** is nearly unaffected by weathering conditions such as rain, snow, UV radiation, ozone and pollution. Its excellent weather ability enables it to retain its original properties after years of exposure.

PROPERTIES

weber seal PU 2000 adheres to most materials including metals, concrete, brick and wood with a fast setting and curing. **weber seal PU 2000** has good resistance to mechanical stress, chemicals, fuels, oils.

When cured, it has a movement accommodation (± 25%) and withstand severe climatic conditions. Its physical properties remain relatively unchanged over a wide temperature range (-4°C to 60°C).

weber seal PU 2000 is stable in high temperature and high humidity conditions.

PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
4 L	4 L	4 L	4 L	4 L	4 L	4 L	4 L

Kit: 3.7 L + 0.3 L

SCOPE OF USE

weber seal PU 2000 is mainly used as a joint sealant in:

- High movement joints &immersed joints
- Pavement joints subject to fuel spillage
- Floors subject to chemical spillage
- Floors subject to chemical spillage
- Sealing gaps and adhering façade and cladding panels to various building materials.
- Sealing construction and expansion joints.
- Sealing of concrete joints in airport runways.

APPLICABLE STANDARDS

weber seal PU 2000 complies to BS 5212:1990 - Types N,F& B and US Federal Specification SS-S-200E

CHARACTERISTICS

Parameter	Values	Standard
Color	Black	
Appearance	Flowable viscous paste.	
Viscosity mixed	495 Poise	
Initial cure	24 hr. at 25ºC	BS 5212
full cure	7 days @ 25°C	BS 4254
Staining	No	BS 4254
Shore A hardness	A/20/1	ASTM D 2240
Tensile strength	1.5 MPa	ASTM D412
Elongation at break	600%	ASTM D412
Chemical resistance	Resistance to diluted acids, alkalis, oils, fuels etc.	
Application Temperature	10°C to 40°C	
Adhesion and cohesion	No effect	ASTM C1246
Effects of heat ageing	No effect	ASTM C1246

CHARACTERISTICS

Effects accelerated weathering	No effect	ASTM C1257

Tests result after 7 days cure at 25°C and 50% RH.

INSTRUCTIONS FOR USE

PREPARATION OF SUBSTRATE

All joints surface should be completely dry and free from all traces of dirt, dust, grease, loose particles, mold release agents and loose particles. Cleaning may be carried out by wire brushing and sanded with emery paper, remove dust by compressed air or paint brush. Wipe out oil and grease by solvent soaked cloth (such as xylene, toluene or acetone). In all cases, a clean bonding surface must be obtained.
Following preparation and primer application, place into the base of the joint a bond breaker or back up rod material to form the correct cross section for joint sealant and to prevent the sealant bonding to the base of the joint.

PRIMING

The sides of the prepared joint should be primed with appropriate primer, for porous surfaces and non porous surfaces with **weber seal PU 2000 primer**. After priming, allow half an hour for solvents to evaporate. If by a rate of 5m²/l using a stiff brush application of **weber seal PU 2000** is delayed for more than 3-4 hours (depending on the weather conditions) after priming, joints should be re-primed.

MIXING AND APPLICATION

Add the entire contents of **weberseal PU 2000** pack B to pack A and stir for a full 4 minutes preferably using a slow speed electric drill (300rpm) with anchor type stirrer, until a completely homogeneous mix is obtained. Avoid air entrapment. Apply masking tape to protect the face edges of the joint and to improve the neatness of the finished seal.
Pour immediately the mixed product into the prepared joint. Work the poured **weber seal PU 2000** by pressing the puffy knife or flat tool against the sealant surface, moving along the length of the joint. It breaks air bubbles and exposes any air pockets present. Tooling by compressing, promote the adhesion of the sealant to the joint sides. After the application of **weber seal PU 2000**, the masking tape should be removed immediately.

CURING TIME

The pot life is approximately 1-2 hours at 25°C. However, the application time and rate of cure will depend upon the temperature of sealant and the ambient temperature at the time of application.
At higher temperatures the rate of cure will be faster, low temperature retards curing. Do not apply at temperature below 5°C.

EQUIPMENT CLEANING

weber seal PU 2000 can be easily cleaned from tools and equipment with solvent such as xylene, toluene, methyl, ethyl, ketone and acetone.

USAGE RATES

Length of joint in metres filled/1 litre of **weber seal PU 2000**:

Depth (mm)	Width (mm)				
	10	15	20	25	30
10	10	6.7	5		
15	6.7	4.4	3.3	2.6	2.2
20	5	3.3	2.5	2.0	1.67
25		2.6	2.0	1.6	1.3

STORAGE

weber seal PU 2000 has a shelf life of 12 months, but the material should be used before the date stamped on the container. Storage temperature range is 5°C to 25°C in dry conditions in unopened containers.

SAFETY PRECAUTIONS

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapor. If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapor inhalation, place affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO2 foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application

are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE