

REC FLEX PU 60SH

ELASTOMERIC HIGH PERFORMANCE COLD APPLIED FUEL RESISTANT PAVEMENT JOINT SEALANT

DESCRIPTION

REC FLEX PU 60SH is a two component, chemical curing, cold applied, fuel and oil resistant pitch polyurethane sealant designed for use in all types of concrete pavement joints and has excellent adhesion properties to asphalt substrates.

PRIMARY APPLICATIONS

- For sealing all types of joints in airport runways and aprons.
- For sealing all types of joints in car parks, and traffic decks.
- For sealing of all types of joints in warehouses, oil terminals, docks and harbours.
- For sealing all types of joints in sewage treatment plants.
- Suitable for horizontal joints only.

FEATURES/BENEFITS

- Cold applied chemical curing sealant.
- Suitable for all climate conditions, weathering and UV resistant.
- Fuel and oil resistant.
- Excellent movement accommodation in butt and lap joints.
- Pourable and self-leveling.
- Good chemical resistance to a wide range of mild alkalis, diluted acids and solvents.

STANDARDS

British standard 5212:1990, Type N, F and FB. US Federal Specification SS-S-200E:1984 as Type H sealant.

TECHNICAL INFORMATION

Shore A hardness (ASTM D2240)	45 - 60
Solid content:	100%
Movement accommodation:	25% for butt joints 50% for lap joints
Mixed density:	1.35 ± 0.05 g/cm ³
Application temperature	5 to 50°C
Pot life:	90 - 100 min @ 25°C
Elongation at break (ASTM D412)	≥ 550% @ 14 days
Tensile strength (ASTM D412)	≥ 1.4 MPa @ 14 days
Curing type	Chemical cure
Tack free time (ASTM C679)	< 5 - 6 hr @ 25°C
Service Temperature	-20 to 90°C
VOC (ASTM D2369)	< 80 g/ltr

Chemical Resistance			
Brake Fluid	Resistant	White Spirit	Resistant
Jet Fuel	Resistant	Petrol	Resistant
Diesel	Resistant	Xylene	Resistant
Kerosene	Resistant	Olic Acid	Resistant

Hydraulic Oils	Resistant	Mineral Oils	Resistant
Dilute Acids	Resistant		

DIRECTIONS FOR USE

SUBSTRATE PREPARATION

- All surfaces should be clean of dirt, laitance, foreign matter and curing compounds. After cleaning, a backing rod of an appropriate size should be placed in the joint to the required depth. Care should be taken not to puncture the backing rod during installation as punctures might create bubbling.

PRIMING

- REC PRIME PS100** is a universal primer suitable for use with porous and non-porous surfaces. **REC PRIME PS100** is used for substrates such as concrete and asphalt as well as others. Mix the two components of **RECPRIME PS100** until a homogeneous liquid is achieved.
- Using small brush apply one thin coat at the joint sides and avoid over priming. Apply the mixed **REC FLEX PU 60SH** sealant while primer is still tacky to achieve optimum adhesion.

MIXING

- To ensure proper mixing, a mechanically powered mixer or drill fitted with a suitable paddle should be used. **REC FLEX PU 60SH** is supplied in two components, Part A and Part B.
- The full quantity of the two components must be mixed thoroughly for 3 - 5 minutes.

PLACING AND FINISHING

- The mixed sealant should be applied directly into the primed joints.
- Sealant must be filled with a minimum recess of 6 mm as insufficient recess can expose the sealant to vehicle tyres which might cause damage over time.

CLEANING

- All equipment should be cleaned immediately after finishing using an appropriate solvent. Hardened sealants should be removed mechanically.

SEALANT QUANTITY ESTIMATOR

JOINT SIZE mm	METERS PER LITRE
10 X 10	10.00
13 X 13	5.91
15 X 15	4.44
20 X 10	5.00
20 X 20	2.50
25 X 12	3.33
25 X 25	1.60
30 X 15	2.22
40 X 20	1.25
50 X 25	0.80

RECPRIME PS100:

- 500 ml of **RECPRIME PS100** will be sufficient for a joint length of approximately 125 m.

JOINT SIZE SUITABILITY

Joint width*:

- 50 mm (maximum in trafficked areas).
- 6 mm (minimum).

Joint depth:

- 10 mm minimum.
- 25 mm maximum.

Width: Depth ratio**

- 2:1 butt joints.
- 1:1 lap Joints.

* For wider joints please consult Reckon Technical Department.

** Within above min/max restrictions.

PACKAGING

REC FLEX PU 60SH is available in 20 kg and 30 kg packs.

STORAGE

REC FLEX PU 60SH has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 35°C in the original, hermetically sealed unopened packaging in a controlled dry, cool and shaded area protected from frost, moisture, high temperatures and direct sunlight. If these conditions are exceeded, Reckon Technical Department should be contacted for advice.

HEALTH & SAFETY

- **REC FLEX PU 60SH** contains coal tar pitch and isocyanates. Avoid contact with skin and eye. Gloves should be worn and the use of barrier cream is highly recommended.
- If **REC FLEX PU 60SH** comes into contact with the eyes, flush with copious amounts of cold water and seek medical attention.
- For further information, refer to the Safety Data Sheet.

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