





Vetoflex PS787

Two-component trafficable, jet fuel resistant heavy duty pitchpolysulphide sealant

Uses

- Heavy duty civil sealant used for sealing joints in: bridges, roadways, subways, concrete ponds, warehouse floors, dams, canals & culvert.
- Movement and static joint sealing in various construction industry requirements.

Product Description

Vetoflex PS787 is a two-part, high-performance, elastomeric, chemically-curing, multi-purpose pitch-polysulphide joint sealant. When cures it forms an elastic sealant with high mechanical strength, abrasion resistance, and with high extensibility to withstand long-term dynamic movement. Vetoflex PS787 can be applied to joints between 5 and 50 mm wide. The product is available in both Pouring and Gun grades to facilitate application on horizontal and vertical joints.

Advantages

- Weather resistant, suitable for External & Internal applications.
- No crack or craze under UV exposure.
- Excellent adhesion to most building materials.
- Excellent movement accommodation.
- Excellent resistant to fatigue & deterioration due to weathering, UV & airborne pollutants.
- Highly resilient with good recovery characteristics.
- Maintains flexibility over longtime.
- Excellent resistance to a wide range of chemicals and hydrocarbon fuels

Design Criteria

Vetoflex PS787 use should follow standard concrete joints practices, sealants need either backing rod or joint breaker tapes to prohibit 3 point adhesion and allow for movement freedom in desired design. Saveto recommends the use of ACI 224.3-95 (re-approved 2013) for joint design.

Technical Data

Vetoflex PS787	Typical Values
Movement capability, % (ASTM C719)	± 20
Hardness, Shore A (7 days) (ASTM D2240)	20 - 25
Tensile Strength, psi (ASTM D412)	≥ 1.25 MPa
Elongation, % (ASTM D412)	≥ 450
Shrinkage %	Nil
Adhesion in peel to concrete, N/mm (ASTM C794)	≥ 25
Tack-free time, hours (max. 72 hrs) ASTM C679	16 - 24
Cracking & Chalking after heat aging	Pass
Extrusion rate and Application life	Pass
UV Resistance @ 300 hrs	Pass
Service temperature (from - 40 to 80°C)	Pass
Pot Life (minutes) @ 25°C	30
Application Temp °C	+10 to +45
Time to finish curing	7 days
Resistance to mild acids, alkalies, hydrocarbon fuels, Veg. Oils, Sea Water	Good





Standards Compliance

- ISO 11600, F 20 LM
- ASTM C920, Class 20, Type M, Grade P&NS.
- Federal Specification, TT-S-00227E, Type I & II, class A
- Federal Specification, FS- SS-S 200E
- BS 4254 and 5212

Usage Instructions

Joint Preparation

Clean all joint surfaces and remove any dust, unsound material, plaster, oil, paint, grease, corrosion deposits or algae. Roughen the surfaces, remove any laitence and expose aggregate by light scabbling or gritblasting. Oil and grease deposits should be removed by steam cleaning, detergent scrubbing or the use of a proprietary degreaser. Any expansion joint filler must be checked to ensure it is tightly packed and no gaps or voids exist at the base of the sealing slot before positioning a bond breaker. The use of a bond breaker is not required in expansion joints containing cellular polyethylene joint filler, backing rod (Vetoflex PBR). For construction or contraction joints a bond breaker tape or back-up strip must be used. Where a particularly neat finish is required, mask the face edges of the joint before sealing and remove immediately after tooling is completed.

Priming

All porous surfaces should be primed with Vetoseal XX777-50. The substrates should be dry before applying primer. Prime the sides of prepared joints with soft brush. Primer should be applied in thin uniform film. Allow to become tack free before applying the sealant. In order to keep the joint edges clean, use masking tape on the joint sides and remove immediately after finish sealant application.

<u>Mixing</u>

The components of Vetoflex PS787 are supplied in the correct mixing ratio. Add the entire contents of the hardener component into the base container and mix together thoroughly for three minutes using a slow speed drill (300 to 500 rpm) fitted with a suitable mixing paddle. Ensure any settlement is thoroughly dispersed. The sides of the container should then be scraped down to ensure that any unmixed components do not

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remain. Mixing should then continue for a further 2 minutes.

Application

The mixed Vetoflex PS787 (PG) can be poured directly from the mixing container by compressing the sides to form a pouring lip. Pour into the prepared joint to the required level, should the joint width prohibit direct pouring from the container, the mixed material can be poured into a Vetoflex Barrel gun and applied to the joint. It may be necessary after a few minutes to top up the level of the sealant after it has flowed into all joint irregularities. Finally, strip off any masking tape that may have been used. When using gun grade, follow the same application procedure while using a bulk gun, the bulk gun can be filled using a follower plate.

<u>Cleaning</u>

Vetoflex PS787 should be removed from tools, equipment and mixers with Vetonit Solvent XX400 immediately after use. Hardened material can only be removed mechanically.

Packaging & Coverage

Product		Pack Size
Vetoflex PS787 - Pouring Grade		4 Liter Kits
Vetoflex PS787 - Gun Grade		2.5 Liter Kits
	Coverage	
Joint Width	Joint Depth	Length Filled /
(mm)	(mm)	Kit (m)
10	8	50
15	8	30
20	10	17
25	12	11
30	15	9

Stated consumptions data are for general guidance. Actual consumption depends on the nature of substrate, method of application and wastage.

Shelf Life & Storage

Original sealed container of Vetoflex PS787 has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 25°C.

Health & Safety

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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