

SEALANTS AND JOINTS



Vetoflex PS782

Two - component polysulfide trafficable joint sealant

Uses

- The heavy-duty civil sealant is used for sealing joints in bridges, roadways, concrete ponds, warehouse floors, dams, canals and culvert.
- As a general elastic adhesive for materials with dissimilar properties and thermal expansion coefficients.
- Movement and static joint sealing in various construction industry requirements.
- Suitable for use in contact with the sewage water.

Product Description

Vetoflex PS782 is a two-component, high-performance, elastomeric, chemically-curing, multi-purpose polysulfide joint sealant. When cures, it forms an elastic sealant with high mechanical strength, abrasion resistance, and high extensibility to withstand long-term dynamic movement. Vetoflex PS782 can be applied to joints between 5 and 40 mm wide.

Advantages

- Weather-resistant, suitable for external and internal applications.
- No crack or craze under UV exposure.
- Excellent adhesion to most building materials.
- Excellent movement accommodation.
- Excellent resistance to fatigue and deterioration due to weathering, UV and airborne pollutants.
- Highly resilient with good recovery characteristics.
- Maintains flexibility over a long time.
- Non-Toxic and withstands continuous water submersion.

Design Criteria

Vetoflex PS782 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.

Standards Compliance

- ASTM C920 as Type M, Grade P and NS, Class 25, Use T1, M and A
- ISO 11600 as Type F, Class 25LM
- TT-S-00230E as Type I and II, Class A

Technical Data

Vetoflex PS782	PG	GG
Tack-Free Time (ASTM C679), (Hours)	80	80
Hardness, Shore A - ASTM D2240	15-25	20-30
Tensile Strength, psi - ASTM D412	≥ 50	≥ 50
Elongation,(%) - ASTM D412	≥ 250	≥ 200
Shrinkage (%)	Nil	Nil
Adhesion in peel to concrete, N/mm ² ASTM C794	≥ 25	≥ 25
Tack-free time, (Hours) (max. 72 hrs) ASTM C679	≤ 3	≤ 3
Cracking & Chalking after heat aging	Pass	Pass
Extrusion rate and Application life	Pass	Pass
UV Resistance @ 300 (Hours)	Pass	Pass
Service temperature (from - 15°C to +80°C)	Pass	Pass
Pot Life (Minutes) @ 25°C	180	180
Application Temp (°C)	+5 to +45	+5 to +45
Full Cure Time (Days)	7	7
Resistance to mild acids, alkalis, hydrocarbon fuels, Veg. Oils, Sea Water	Good	Good

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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 laitance and expose aggregate by light scabbling or grit blasting.

Remove oil and grease deposits by steam cleaning, detergent scrubbing, or the use of a proprietary degreaser. Check any expansion joint filler 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, use a bond breaker tape or back-up strip. Where a particularly neat finish is required, mask the joint's face edges before sealing and remove immediately after tooling is completed.

Priming

Prime all porous surfaces with Vetoseal XX777-50. The substrates should be dry before applying primer. Prime the sides of the prepared joints with a soft brush. Apply the primer in thin uniform film. Allow becoming tack-free before applying the sealant. To keep the joint edges clean, use masking tape on the joint sides and remove immediately after finish sealant application.

Mixing

The components of Vetoflex PS782 are supplied in the correct mixing ratio. Add the entire contents of the hardener component into the base container and mix 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.

Scrape down the sides of the container to ensure that any unmixed components do not remain. Continue mixing for a further 2 minutes.

Application

Pour the mixed Vetoflex PS782 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, pour the mixed material into a Vetoflex Barrel gun and apply it to the joint. After a few minutes, it may

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be necessary to top up the sealant level if it has flowed into joint irregularities. Finally, use a strip of any masking tape. When using gun grade, follow the same application procedure of using a bulk gun. Fill the bulk gun using a follower plate.

Cleaning

Remove Vetoflex PS782 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 PS782 - Pouring Grade	4 Liter Kits
Vetoflex PS782 - Gun Grade	4 Liter Kits

Coverage		
Joint Width (mm)	Joint Depth (mm)	Length Filled / Kit (m)
10	8	50
15	8	33
20	10	20
25	12	13
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

The original sealed containers of Vetoflex PS782 have 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.

Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.