



Vetoflex PU785

Heavy Duty Epoxy Urethane Joint Sealant

Uses

- Sealing internal floor joints of heavy wheeled, traffic areas and places subjected to heavy industrial use such as factories, food processing areas, warehouses, and maintenance facilities.
- Suitable for sawn joints in long strip flooring and other large internal areas like car parking decks, warehouses, etc.
- It is ideal for stress-relieving areas like swimming pools, compression joints, and other prolonged water immersion areas.

Product Description

Vetoflex PU785 is a two-component self-leveling epoxy modified polyurethane joint sealant. It can be poured directly into horizontal joints to form a tough, resilient seal containing a limited degree of flexibility. Vetoflex PU785 can accommodate a small movement in expansion and contraction but can take high compressive stresses.

Advantages

- Withstands steam cleaning.
- Excellent adhesion to concrete and asphaltic substrates.
- Extremely resistant to chemicals and hydrocarbon.
- Self-leveling to produce uniform and neat joints.
- Permanent and uniform water-tight seal.
- Suitable for use in wide joints.
- Good mechanical properties for heavy-duty limited movement applications.
- Compatible for use in horizontal areas with a maximum slope gradient of 10%.

Standards Compliance

- BS 5212: Part 1
- ASTM C 920, Type M, Grade P Class 12

Technical Data

Vetoflex PU785	Typical Values
Viscosity	Free Flowing
Density at 25°C	1.35 kg/L
Pot Life	60 minutes
Solid Content (ASTM D2369)	100 %
MAF	± 10%
Elongation (ASTM D 412)	90%
Tensile Strength (ASTM D 412)	5 N/mm ²
Shore A' Hardness	>75
Chemical Resistance	Excellent
Shore D Hardness	>25
Initial Cure at Standard Condition	24 hours
Full Cure at Standard Condition	7 days
Application Temperature	+10 to +40°C
Service Temperature	-10 to +100°C
VOC	<5 g/L

Note: All values are subject to 5-10 % tolerance

Usage Instructions

Joint Preparation

The joint surface must be clean, dry, and free from oil, loose particles, cement laitance, and other contaminants, affecting the adhesion. It may require a thorough wire brushing, grinding, sandblasting, or solvent cleaning to expose a clean and sound substrate. Cut back the compressible joint filler to expose a uniform joint depth.

Priming

Vetoseal XX777-25 should be applied to a clean, dry surface before installing the backer rod or bond-breaking tape. Apply the primer in a thin coat application by a brush, and allow it to become tack-free before the application of the sealant. If the sealant installation is not carried out within 3 hours of applying the primer, reprime the joint edges. For obtaining a clean and neat finish, apply masking tape on both groove edges before applying the primer.

Mixing

Vetoflex PU785 is supplied in pre-weighed two-part packs, which requires on-site mixing. Pour the hardener (Part B) into the base (Part A) container and mix thoroughly with a slow speed drill (300-400 rpm) fitted to a flat-bladed paddle for 5 minutes till achieving a uniform color and consistency.

Since the base and the curing agent ratio control the ultimate physical properties like adhesion, durability, and strength, one complete kit has to be mixed at a time. Scrape the container's sides periodically with a scraper to ensure that the curing agent is properly dispersed and blended in the mix.

Application

Pour the mixed material directly into the joint from the container. Initially, fill 2/3 of the sealant, tool it properly, and fill all the irregular areas inside the joint. The tooling will also allow entrapped air to escape. Then pour the balance 1/3 material and further tool it to get a smooth surface finish. Use the material completely within the specified pot life. Once the sealant has been installed, use a suitable rounded tool soaked in soapy water to achieve an hourglass profile. Remove any masking tape applied immediately after installing the sealant.

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Cleaning

Remove Vetoflex PU785 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 PU785	4 Liter Kits

Qty (Liters) = (joint: width (mm) x depth (mm) x length(m))/ 1000

Joint Design

Coverage	
Joint Width (mm)	Joint Depth (mm)
6 - 13	Equivalent to width
13 - 25	½ of width
Over 25	½ to ¾ of width

Stated consumption 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 PU785 have a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 25°C.

Recommendations

- Vetoflex PU785 is not recommended for use in vertical joints, movement joints having MAF > 10%.
- Vetoflex PU785 should never be applied on damp and contaminated surfaces.
- Do not overpaint Vetoflex PU785. It is best to check compatibility with sealant before the painting application.
- Vetoflex PU785 is not compatible for use in areas with Slope Gradient > 10%.

Health & Safety

Avoid contact with skin or eyes. During application, wear appropriate protective clothing, goggles, gloves, and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.

If ingested, obtain medical attention immediately. Do not induce vomiting.