



Expansion Joints



Gun Application

Product Description

Expansion Joint Sealant

Introduction

Vubaflex is a fast curing single component sealant for concrete expansion joints. Vubaflex expansion joint sealant is a hard but flexible compound suitable for internal or external use, offering excellent chemical resistance and is capable of supporting heavy duty wheeled traffic. This expansion joint sealant also possesses excellent UV resistance, preventing discolouration which can be common with alternative expansion joint sealants.

Composition

Vubaflex is a moisture curing elastic sealant based on Silane Terminated Polymers.

Size

300ml Sachet

Components

Vubaflex is supplied in a single component cartridge ready for instant gun application.

Coverage Guide

Each 300ml cartridge of Vubaflex will fill up to 1.25 linear metres at 20mm x 10mm.

Tip: Try to avoid under ordering and leaving yourself short on material. Applying in sections will not guarantee a uniform finish.

Appearance

Vubaflex expansion joint sealant provides a smooth coloured matt finish.

Note: The standard colour available is grey. However, custom colours may be available subject to surcharges and minimum order quantities. Please contact us with any colour requests.

Availability

We aim to dispatch all standard orders received before 12pm for next day delivery. Custom colours and non-stock items may take up to 3-5 days.

Typical Installations

Expansion joint sealant is suitable for sealing interior or exterior concrete expansion joints where a cost effective and easy DIY option is required. Vubaflex can also be used for external façade joints where abrasion resistance is required. Typical installation environments include factory floors, stadiums, terracing, shopping centres and warehouses.

Durability

Vubaflex expansion joint sealant is suitable for repeated heavy duty traffic and abrasion including forklift truck traffic.

Thickness

Vubaflex may be applied between 10mm and 35mm wide.'

Tip: Avoid deep applications which take longer to go off. Try prefilling your joint with backer rod to help reduce the thickness.

Substrates

Expansion joint sealant is suitable for concrete substrates including saw cut and perimeter joints. For alternative substrate enquiries, please contact us for guidance.

Important: Vubaflex is not suitable for contact with bituminous substrates.

Samples

To ensure that you are choosing the right product for the job, we always recommend purchasing an appropriately small amount to trial first. This allows you to gauge the achievable coverage as well as seeing the type of finish and colour in person, which may sometimes appear differently to on the screen or printed out. This is also a good chance to practice the application method which may be a useful process if previous experience with expansion joint sealants is limited.

Preparation

To ensure maximum adhesion and performance from Vuba products the correct preparation methods must be adhered to. Ensure that the surface is structurally sound, clean, dry and free from contamination of any kind. This will directly affect the bonding performance of the applied jointing sealant. Joints in concrete should preferably be sawn with a diamond cutting blade. After sawing, all saw slurry must be flushed away and the joint allowed to dry. For a neat finish to your expansion joint, we recommend applying duct tape to either side of the joint in case of inaccuracies and spillages.

Important: Badly damaged joints should be infilled with a suitable repair mortar and cut through once cured to create a neat and stable joint edge.

Tip: You may choose to fill most of your empty joint with sand and foam backer rod (available from Vuba). So long as this is firmly in place with no risk of slumping, you can simply apply Vubaflex as a top layer which often proves cost effective for large and deep joint installations. This approach will also avoid unwanted tension caused if the sealant were to bond to the underlying substrate base.

Priming

Vubaflex is generally self-priming on suitable stable and prepared surfaces.

Ambient Temperature

The ambient temperature during application and curing periods must not fall below 5°C and is not to exceed 40°C.

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Application Technique

Fit the nozzle and cut at a 45° angle to a suitable size. Extrude the sealant firmly into the joint using a standard mastic gun, being sure to fill level. It is common practice to 'flush' the applied joint sealant evenly with a tooling stick within 5 minutes of application to ensure good contact between the sealant and the substrate.

Important: Ensure you carefully remove any pre-applied duct tape immediately after application. Do not wait until the expansion joint filler has cured to do so.

Tool Cleaning

Vubasolve xylene solvent should be used to clean any reusable tools. Splashes or spillages can also be removed with the help of Vubasolve and wiping with rags.

Cure Schedule

Vubaflex is touch hard after 60 minutes but trafficking should be avoided for 24 hours per 2mm thickness.

Maintenance

Once fully cured, Vubaflex expansion joint sealant can be easily cleaned using Vuba-Supaclean heavy duty alkaline cleaner. For a longer lasting jointing finish, general good housekeeping is always worthwhile. You ought to clean regularly and ensure any spillages are immediately addressed.

Technical Data

Tear Strength: ~ 4.5 N/mm² (+23°C / 50% r.h.)
Shore A Hardness: ~ 25 after 28 days (+23°C / 50% r.h.)
E-Modulus: ~ 0.4 N/mm² at 100% elongation (+23°C)
Elongation at break: ~ 450% (+23°C / 50% r.h.)
Elastic Recovery: > 70% (+23°C / 50% r.h.)

Health and Safety

Please read the relevant Material Safety Data Sheets provided in compliance with the requirements of EC Directive 91/155 before commencing application.