

Vuba-Joint Flexicrete



High Strength



Hygienic

Product Description

Vuba-Joint Flexicrete is a two pack polyurethane jointing compound designed specifically to provide excellent adhesion, durability and a high degree of flexibility. This hard wearing and flexible expansion joint filler accommodates movement and maintains a seamless finish. Flexicrete is available in two grades: Flexicrete P which is a pourable compound enabling horizontal floor joints to be quickly and easily filled and Flexicrete V, a thicker compound for infilling vertical jointing.

Composition

Polyurethane modified epoxy resin

Size

5 litre Unit

Components

Each unit of Flexicrete comprises of one part Resin A and one part Activator B. Both components are pre-weighed and ready to mix in their entirety.

Coverage Guide

Your specific coverage guide will depend on the joint dimensions. Typically, you can achieve up to 50 linear metres of joint at 10mm x 10mm with a 5 litre unit.

Note: Coverage rates may vary depending on application conditions and other factors. Please contact Vuba if in doubt.

Appearance

Vuba-Joint Flexicrete provides a mid-sheen, smooth finish available in a range of colours.

Note: Vuba Flexible Expansion Joint Sealer is not 100% UV stable therefore some discolouration may occur when applied outside.

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

Flexicrete being a high modular and flexible jointing compound is ideal for any industrial environment where there is lots of movement in the joints and a long lasting sealed finish required. Vuba Flexible Expansion Joint is widely used and particularly suitable for expansion jointing within heavy duty food safe polyurethane screed systems in food factories, breweries, warehouses and internal car parks.

Durability

Flexicrete exhibits the highest order of abrasion resistance, excellent adhesion and withstands heavy trafficking. This flexible expansion jointing offers superb chemical resistance for use in industrial environments.

Thickness

This flexible expansion joint compound can be applied at practically any thickness. Typically Flexicrete is installed in floor joints which are 10mm wide and 5mm deep. Vuba foam backer rod is used to control the depth of repair (see Preparation).

Substrates

Vuba-Joint Flexicrete will adhere well to concrete, asphalt, epoxy, polyurethane, polymer modified floor and wall finishes. Please contact us for advice regarding alternative substrates.

Preparation

To ensure maximum adhesion and performance from Flexicrete, the correct preparation methods must be adhered to. Ensure the joints are clean, dry, sound and free from laitance, old mastic or any loose materials by saw cutting or angle grinding, ensuring the joint is thoroughly vacuumed afterwards to remove residual dust.

Note: We recommend to pre-fill your joint with Vuba Foam Backer Rod and leave a depth at least half the joint width. Ensure it is firmly in place with no risk of slumping before applying Flexicrete as a top layer. This will prove cost effective for large and deep joint installations and is also important for the structural strength of the joint.

Tip: For a neat finish to your expansion joint, we recommend applying duct tape to either side of the joint to allow for quick and easy installation with no worries of overspill.

Priming

Vuba-Joint Flexicrete is generally self-priming. For enhanced adhesion, some users prime the walls of the joint with Vuba-Epiprime by brush. This can be recommended in case of extremely heavy traffic.

Ambient Temperature

We recommend that the ambient temperature during application is maintained between 10°C and 25°C. Temperatures outside this range will affect product curing time and performance.

Tip: In cold conditions use blow heaters to raise the ambient temperature as required. Avoid aiming the heat directly at the curing product which may cause issues and be aware of potential condensation in the area as a result of rapid temperature change.

Mixing

Add the full contents of the Activator B container to the full contents of the Resin A container and mix thoroughly with a slow speed electric paddle drill until an even consistency is achieved throughout. Do not mix with high speed drills which may result in air entrapment.

Note: Both liquids are pre-weighed and designed to be mixed together in their entirety. It is essential that the full amounts are mixed together and until homogenous to ensure the product cures correctly and to the desired finish.

Tip: Some users choose to mix both P and V grades to achieve mid-way consistency which is sometimes preferable for pouring into floor joints.

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Vuba-Joint Flexicrete



Colours



Technical Data

Solids content	100%
Temperature Resistance	up to 60 °C
VOC	22 g/l (full mixed unit)
Wear resistance (BSEN 13813)	AR 0.5
Bond strength (BSEN 13813)	B2
Impact resistance (BSEN 13813)	IR > 4

Note: All test results are recorded at a room temperature of 20°C.

Application Technique

Pour the mixed material into the expansion joint either directly from the container, or use a Vuba pouring beaker for increased accuracy. We recommend overfilling very slightly and following immediately after with a scraper to level off the finished joint; this technique is only advised if duct tape has been pre-applied to the edges of the joint.

Tip: For vertical application you may choose to apply Flexicrete V using spatula or pointing trowel. Some users also apply Flexicrete V with mastic gun. **Note:** Ensure you carefully remove the duct tape before the initial cure of the product, ensuring you have revisited any irregular joint areas that may need topping up first. **Important:** Avoid leaving the jointing compound sat in the tub for extended periods once mixed, as the pot life may be reduced and usability could be compromised quicker than expected. You should aim to pour out and apply well before the end of the product pot life.

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 (@ 20°C)

Pot Life at 20° C 45 - 65 mins Initial cure 24 hrs Full chemical cure Up to 7 days **Note:** Curing times will be increased at lower temperatures and reduced at higher temperatures. Whilst the initial cure is 24 hrs, and the product can take traffic, the cured strength does improve further up to 48 hrs at which point the optimum strength is reached.

Maintenance

Flexicrete joints 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.

Storage

Keep out of direct sunlight. Store in a dry place, not below 15 °C.

Health and Safety

Please consult Vuba-Joint Safety Data Sheet provided in compliance with the requirements of EC Directive 91/155.

Note: The colours represented here act as a guide only. If the colour or final aesthetics are of prime concern, please contact us and request an actual sample of the required colour and product, or purchase a trial sample. Colour matching to RAL or BS can be offered on request from the Technical Department. We reserve the right to adjust or discontinue any colour in any range.