



**PROTECTIVE
&
MARINE
COATINGS**

Revised 05/2021 Issue 3 – REF: EPJV

**Epo-Flex VJ
PRODUCT TECHNICAL DATA**

PRODUCT DESCRIPTION

Epo-Flex VJ is a high performance flexibilized two component epoxy joint sealant. It is a thixotropic compound which is designed to accommodate low level movement in vertical as well as horizontal joints.

Epo-Flex VJ is specifically suitable for stable expansion jointing in self-smoothing and screed floor coating systems.

ADVANTAGES

- Tough but flexible
- Good adhesion
- Accommodates movement and maintains a seamless finish
- Ease of cleaning
- Chemical resistance
- Range of colours available

RECOMMENDED USE

- Low movement expansion joint sealant
- Granolithic screeds
- Concrete and asphalt
- Polyurethane screeds
- Polymer screeds
- Epoxy substrates

PRODUCT DATA

Volume Solids:	~100%
VOC:	22 g/l calculated per full mixed unit
Colours:	Black, Buff, Flint, Marigold, Kingfisher, Salsa, Stirling, Forest
Finish:	Smooth gloss
Flash Point:	N/A
Cleanser/Thinner:	Thinning not recommended
Pack Size:	2.5 kg
Pack Weights:	2.05kg base/0.45kg hardener (2.5 kg)
Mixing Ratio:	4.5 parts base to 1 part hardener by weight only
Mixed Density:	Approximately 1.2 g/cm ³
Shelf Life:	36 months (Base) & 12 months (Hardener) when stored in unopened containers
Storage:	Keep out of direct sunlight. Store in a dry place, between 15°C – 20°C

Application at 20°C

Recoating Intervals:	24 hours or once surface has lost tackiness
Light Traffic:	48 hours
Full Traffic:	72 hours
Full Chemical Cure	7–10 days

Pot Life: 45 – 65 minutes from mixing, based on 2.5 kg pack size

Note: All mixed product must be used within the pot life time limit, if the product is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.

Coverage Rate: 2.5 kg will cover 21 linear metres @ 10mm deep and 10mm wide
Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.

System Thickness: Typically 10mm
(Recommended)

The suggested thickness range is calculated based on average volume solid as a general recommendation for the specified condition and for each application may vary.

Recommended Application Methods: Palette knife, spatula



SURFACE PREPARATION

Remove all laitance, old mastic and other filler media by cutting or grinding. Ensure the joint is clean, dry, sound and free from dust. The joint should be formed to the correct depth/profile by placing a bond breaker or debonding film at the base of the joint to form a uniform cross section with a minimum depth of 6mm and width to depth aspect ratio of 2:1 to 1:1. Where high loads are to be applied then a minimum depth of 10mm should be used.

PRIMING	APPLICATION CONDITIONS
<p>Prime the walls of the joint with Resuprime ST, or Resuprime MVT, by brush ensuring all the sides and base are covered with the primer.</p> <p><i>For further information please refer to recommended individual product data sheets.</i></p>	<p>The ambient temperatures of the areas should not be allowed to fall below 15°C throughout the application and the curing period, as this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 10°C. Where possible it is recommended that the application area is heated to a minimum temperature of 15°C ideally to allow the ambient and substrate temperature to stabilise prior to the installation.</p>
MIXING AND APPLICATION	TECHNICAL INFORMATION
<p>Pre-mix the coloured base component to a uniform consistency then add the entire contents of the hardener to the base and mix thoroughly using a slow speed electric mixer for approximately two minutes until the two components have fully combined.</p> <p>The mixed unit should be applied immediately by trowel, palette knife or spatula to fill the joints and smoothing the surface.</p> <p>For joints over 10mm wide, a firm backing should be used, ensure that all joint fillers are well compacted. It is important to ensure that the backing stop/bond breaker is tight fitting in the joint to retain the Epo-Flex VJ in the correct position.</p> <p>Care should be taken when placing the backing strip to ensure that it is not stretched on installation as this can result in leakage at the ends of the joint/strip as it shrinks back.</p>	<p>The following figures are obtained from laboratory tests and our experience with this product.</p> <p>Shore A Hardness: 54 (BS EN ISO 868:2003)</p> <p>Temperature Resistance: Tolerant of temperatures up to 60°C</p>
WARRANTY	DISCLAIMER
<p><i>Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use.</i></p> <p><i>The information detailed in this datasheet is liable to modification from time to time in the light of experience and normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.</i></p>	<p><i>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.</i></p>

HEALTH AND SAFETY

Consult Product Health and Safety Datasheet for information on safe storage, handling and application of this product.

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