



The Chemical Company

BASF CONSTRUCTION CHEMICALS AUSTRALIA and NEW ZEALAND

APPLICATION GUIDE for PCI SILCOFERM VE®

IMPORTANT: READ THIS FIRST

BASF Construction Chemicals does not warrant the performance of this product unless the instructions of this document and other related BASF Construction Chemicals documents are adhered to in all respects.

1. SURFACE PREPARATION

Requirements

The joint width must be well designed that a minimum movement of 20% between the adjacent construction units is not exceeded. The following joint dimensions must be considered for movement joints-related to the joint width:

<u>Width</u>	<u>Depth</u>
Up to 10mm	Same as width but min. 6mm
10mm	8-10mm
15mm	8-12mm
20mm	10-14mm
25mm	12-18mm

For joints outdoors the width and depth of the joints should be at least 10mm.

Preparation

The joint sides must be dry, sound and free from dust and other contamination. Before sealing glass groove, prime substrate with universal thinner.

Fill deep joints with closed-cell backer rod. The backer rod must not be damaged during the application. Adhesion of the sealant to the bottom of the joint must be avoided. Backer rods containing bitumen or tar are not allowed to be used. The sides of the joints should be primed if necessary.

2. APPLICATION

1. **PCI Silcoferm VE** can be applied by conventional hand or air-operated caulking guns.
2. Cut off tip of threaded nipple, screw on nozzle and cut off tip at an angle corresponding to the joint width.
3. Gun **PCI Silcoferm VE** into the joint using positive pressure to ensure full contact and adhesion. Tool to a bevel in corner joints.
4. Smooth joint sealant before a skin forms using a suitable joint shaping tool. A skin forms within a few minutes. Work may be interrupted because new **PCI Silcoferm VE** perfectly bonds to material which has already cured.

3. NOTE

- Do not apply **PCI Silcoferm VE** at temperatures below +5°C or above +35°C.
- The elastic sealing of movement and connection joints with **PCI Silcoferm VE** is not a substitute for required waterproofing measures in the substrate structure.
- **PCI Silcoferm VE** cannot be over painted.
- **PCI Silcoferm VE** is not suitable for joints in engineering construction.
- Never use backfilling materials containing bitumen or tar.
- **PCI Silcoferm VE** is not suitable for floor joints subject to heavy mechanical loads.
- The use of silicone rubber for ceramic coverings outdoors might cause contamination in the adjacent area.
- Although **PCI Silcoferm VE** contains fungicides, the joints should be cleaned with appropriate household cleaners and/or disinfectants in sanitary area to prevent mould and mildew growth.
- It is recommended to test the adhesion to coated substrates.
- It is recommended to test adhesion to and compatibility with plastic substrates.
- In case of contact with bitumen substrates discolourations and bonding problems occur.
- When using cleaning agents and disinfectants which separate, iodine discolourations on **PCI Silcoferm VE** may occur.
- Minor colour variations are possible, it is therefore recommended to use the same batch number for the same project.
- Wait for at least 7 days (at +23°C and 50% relative humidity) before filling the pool with water.
- **PCI Silcoferm VE** is not suitable for natural stone coverings. **PCI Carraferm** should be used in this case.

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