



The Chemical Company

BASF CONSTRUCTION CHEMICALS AUSTRALIA and NEW ZEALAND

APPLICATION GUIDE for PCI SILCOFERM S®

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 the admissible total deformation of 25% is not exceeded due to the movements / elongations of the adjacent construction units (expansion/compression).

The following joint dimensions must be considered for movement joints – related to the joint width:

<u>Width</u>	<u>Depth</u>
Up to 10mm	6-10mm
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. Remove oil stains and grease from non-absorbent substrates with thinners.

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.

2. APPLICATION

1. **PCI Silcoferm S** 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 S** 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 S** perfectly bonds to material which has already cured.

3. NOTE

- Paint does not bond to **PCI Silcoferm S**.
- **PCI Silcoferm S** is not suitable for floor joints subject to heavy mechanical loads
- **PCI SilcofermS** is not suitable for natural stone coverings. **PCI Carraferm** should be used in this case
- Due to the interaction with the sealant, dark staining from oak wood may occur.
- Although **PCI Silcoferm S** contains fungicides, the joints should be cleaned with appropriate household cleaners and/or disinfectants in sanitary area to prevent mould and mildew growth.
- Not suitable for PE/PP window frames.
- We recommend to test adhesion and compatibility beforehand in cases of lacquered and plastic substrates.
- In case of contact with bitumen substrates discolourations and bonding problems occur
- Minor colour variations are possible, it is therefore recommended to use the same batch number for the same project
- Opened cartridges can be stored for several days if the nozzle is plugged with some sealant. Prior to further application remove the cured sealant from the nozzle.

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