

PCI SILCOFORM[®] VE

Silicone joint sealant for kitchen/bathroom, living area, swimming pools and non-drinking water tanks

DESCRIPTION

PCI Silcoform VE is a silicone joint sealant for kitchen/bathroom and living areas as well as swimming pools and non-drinking water tanks.

RECOMMENDED FOR

- Interior and exterior applications
- Walls and floors
- Elastic sealing of corner, movement and connection joints
- Elastic sealing of joints between glass, aluminium, timber, enamel, ceramic, rigid PVC and sanitary acrylic
- Sealing of connection and movement joints in swimming pools including pool surrounds, non-drinking water tanks, cooling towers and sanitary areas
- Glass sealing of window frames made of timber, anodized and non-anodized aluminium
- Elastic sealing of butt joints at glass blocks and other glass elements

FEATURES AND BENEFITS

- **Elastic** – capable of absorbing movements in joints up to 20% of joint width
- **Resistant to weathering and UV radiation**
- **Temperature resistant from -40°C to +165°C, suitable for underfloor heating systems and joints exposed to direct sunlight**
- **Resistant to hot and boiling water**
- **Easy to gun and smooth**
- **Unprimed adhesion to glazed ceramic**
- **Contains fungicides, prevents mould and mildew growth on the sealant**
- **Resistant to permanent exposure to swimming pool water, salt water, household cleaners and chemicals used in swimming pools such as chlorine, hypo-chloride, ozone, copper sulphate, aluminium sulphate**
- **Does not turn yellow**
- **Tested for decontamination in accordance with DIN 25415-1 (BAM)**

TECHNICAL DATA

Material base	Silicone rubber, acetic acid curing system
Components	1 part
Consistency	Pasty
Density	Approx. 1g/cm ³

PREPARATION OF SUBSTRATE

Requirements

The joint width must be well designed that a maximum 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:

Width	Depth
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 polyethylene 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.

APPLICATION

1. **PCI Silcoform 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 the tip at an angle corresponding to the joint width.
3. Gun **PCI Silcoform 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 Silcoform VE** perfectly bonds to material which has already cured.

For more information about application, please obtain a copy of the BASF "Application Guide for **PCI Silcoform VE**" from your local representative.

CLEANING

Smooth and cured surfaces can only be cleaned by mechanical means.

SHELF LIFE

PCI Silcoform VE has a minimum shelf life of 24 months when stored in dry conditions at maximum temperature of +30°C. Opened cartridges can be stored several days if the nozzle is plugged with some sealant. Prior to further application remove the cured sealant from the nozzle.

PACKAGING

PCI Silcoform VE is supplied in 310ml cartridges with screw-on nozzle (one carton contains 12 cartridges).

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PRECAUTIONS

Contains acetic acid. Avoid contact with eyes. Uncured sealant may cause skin irritations. For the full health and safety hazard information and how to safely handle and

use this product, please make sure that you obtain a copy of the BASF Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.

Consumption Joint dimension - 10 x 10mm - 5 x 5mm	Approx. 100ml/rm Approx. 25ml/rm
Yield Joint dimension - 10 x 10mm - 5 x 5mm	Calculable according to the formula: joint width (mm) x joint depth (mm) = ml/running metre For triangle joints consumption is reduced to half. 310ml cartridge is sufficient for: approx. 3.1rm approx. 12.4rm
Joint width	Up to 30mm
Working temperature	+5°C to +35°C (substrate temperature)
Adhesion without primer to Adhesion with PCI Elastoprimer 150 to	Glass, glazed ceramic, anodized aluminium (when exposed to permanent wetness: PCI Elastoprimer 150), melamine resin, sanitary acrylic Plastic windows, glaze-coated open-pored timber, brick lining, unglazed ceramic, non-anodized aluminium, stainless steel, chrome
Curing speed*	Approx. 2mm/day
Curing time*	Tack-free after approximately 10 minutes, forms a vulcanized skin of approximately 1 to 2mm after a few hours
Temperature resistance	-40°C to +165°C and beyond for a short time
Dependable elongation	Approx. 20% of joint width
Shore A hardness	Approx. 25

* At 23C and 50% relative humidity. Higher temperatures and/or higher humidity reduce the curing time and increase the curing speed, lower temperatures and/or lower humidity increase the curing time and reduce the curing speed.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF**, are responsible for carrying out procedures appropriate to a specific application.

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