

PCI SILCOFORM[®] S

All purpose joint sealant for interior and exterior use

DESCRIPTION

PCI Silcoform S is an all purpose silicone joint sealant for interior and exterior use.

RECOMMENDED FOR

- For interior and exterior use.
- For walls and floors. **Sealing of corner joints, construction joints and movement joints.**
- Between various construction units and materials.
- Between construction units and tiles
 - in bathroom, shower and toilet,
 - on sinks, ovens and kitchen worktops,
 - on doors, windows and built-in elements in domestic areas.
- On sheet metal flashings and window sills or gutters at balconies and flat roofs.
- Between window frames, door frames, shutter boxes and concrete, render or ceramic.
- Glass sealing on windows and doors made of aluminium, wood and vinyl.

FEATURES AND BENEFITS

- **Self-adhesive**, unprimed adhesion to nearly all absorbent and non-absorbent substrates.
- **Elastic**, capable of absorbing movements up to 25% of joint width.
- **Resistant to temperatures between -40°C to +165°C**, suitable for underfloor heating systems and joints exposed to direct sunlight.
- **Resistant to weathering and UV radiation**, therefore ideal for outdoor application.
- **Resistant to customary household cleaners and disinfectants**, joint can be easily cleaned.
- **Odourless** curing, therefore ideal for the application in closed rooms.
- **Contains fungicides**, prevents mould and mildew growth.
- Meets the hygienic and microbiologic requirements for the use in dust-free rooms such as canteen kitchens, operating rooms, in the pharmaceutical industry, in chip production.

TECHNICAL DATA

Material base	silicone rubber, neutral curing system (alkoxy system)
Components	1 part
Density	approx. 1.0 g/cm ³

APPLICATION

PCI Silcoform S can be applied by conventional hand-operated or air-operated caulking guns.

1. Cut off tip of threaded nipple, screw on nozzle and cut off at an angle corresponding to the joint width.

2. Gun PCI Silcoform S into the joint using positive pressure to ensure full contact and adhesion. Tool to a bevel in corner joints.
3. Work may be interrupted because PCI Silcoform S 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 S" from your local representative.

CONSTRUCTIVE 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:

Width	Depth
up to 10 mm	6 to 10 mm
10 mm	8 to 10 mm
15 mm	8 to 12 mm
20 mm	10 to 14 mm
25 mm	12 to 18 mm

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

PREPARATION OF SUBSTRATE

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 polyethylene backer rod which must not be damaged during the application. Adhesion of the sealant to the bottom of the joint must be avoided. Do not use backer rods containing bitumen or tar.

COLOURS

02 Bahama beige, 11 Jasmin, 18 Manhattan, 19 Basalt, 20 White, 21 Grey, 31 Cement grey, 40 Black, 44 Topas and 47 Anthracite.

SHELF LIFE

PCI Silcoform S has a shelf life of min. 12 months when stored in dry conditions. No permanent storage over +30°C.

PACKAGING

PCI Silcoform S comes in 310 ml cartridges with srew-on nozzle. (One carton contains 12 cartridges.)



The Chemical Company

PCI SILCOFORM[®] S

PRECAUTIONS

Small amounts of alcohol evaporate during the application. Avoid eye contact with uncured sealant.

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.

APPLICATION

Consumption Joint dimension 10 x10 mm 5 x5 mm Consumption: joint width (mm) x joint depth (mm) = ml/rm. In case of triangle joints consumption is reduced to half.	approx. 100 ml/m approx. 25 ml/m
Coverage Joint dimension 10 x10 mm 5 x5 mm	310 ml PCI Silcoform S cover: approx. 3 rm approx. 12 rm
Working temperature	+5°C to +35°C (substrate temperature)
Time until skin forms*	approx. 10-20 minutes
Curing speed*	approx. 2 mm/day
Temperature resistance	-40°C to +165°C, and beyond for a short time
Total elongation allowed	max. 25% of joint width
Shore A hardness	approx 20
Tensile modulus	approx. 0.3 MPa
Adhesion without primer	to many absorbent and non-absorbent substrates
Adhesion with Elastoprimer 150	to roughened polystyrene

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

APCISilcoformS/2/1011

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.

BASF Australia Ltd
 A.B.N. 62008437867
 Head Office: 11 Stanton Road Seven Hills, NSW 2147
 Ph. (02) 8811 4200

Newcastle (02) 4961 3819
 Canberra (02) 6280 6010
 Brisbane (07) 3633 9900
 Townsville (07) 4774 7344
 Melbourne (03) 9549 0300

Adelaide (08) 8139 7500
 Perth (08) 9366 2600
 Darwin (08) 8984 3269
 Kalgoorlie 0417 772 355

BASF New Zealand Ltd
BASF WEB SITES

Head Office: 45 William Pickering Drive, Albany, Auckland Ph: (09) 414 7233
www.basf-cc.com.au www.basf-cc.co.nz www.meyco.basf.com