

# PC<sup>®</sup> 18 ADHESIVE

P18

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## 1. DESCRIPTION AND USE

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PC<sup>®</sup> 18 is a one-component cold bituminous adhesive ready to use. PC<sup>®</sup> 18 is used for the insulation of chilled water lines. It is used to seal the longitudinal and circumferential joints

between the FOAMGLAS<sup>®</sup> shells. PC<sup>®</sup> 18 cures to form a flexible, non-ageing adhesive with a very good adhesion to different materials.

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## 2. APPLICATION

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### 2.1 Surface preparation

Surfaces must be dry, clean and free from all traces of grease, rust, dust and oil. An anticorrosion layer is recommended or imposed (see regulations in force).

### 2.2 Product preparation

PC<sup>®</sup> 18 is ready to use.

### 2.3 Application method

PC<sup>®</sup> 18 is applied on the longitudinal and circumferential joints of the FOAMGLAS<sup>®</sup> shells with an extrusion gun. The internal diameter of this gun must range from 50 to 51 mm. The beads are applied on one face of each joint before firmly pressing the shells into position, against each other.

### 2.4 Cleaning of the tools

Cleaning of the extrusion gun is done with mineral spirits.

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## 3 AVAILABILITY AND STORAGE

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### 3.1 Availability

PC<sup>®</sup> 18 is delivered in Alu colored foil (refill) of 600 ml (12 units per package) or 310 ml (20 units per package), and also in polyethylene cartridges of 310 ml (12 units per package).

### 3.2 Storage

Keep the product in a cool place (maximum + 40°C) protected from frost. The expiry date is mentioned on the label.

## 4 PROPERTIES

Type:	one-component cold bituminous adhesive, ready to use
Service temperature range:	+2 °C to +40 °C
Application temperature:	-5°C °C to + 40 °C ( do not apply on frozen surfaces)
Surface drying time:	For beads of 10 mm diameter: between half an hour and one hour at ambient temperature.
Density:	1.1 kg/dm <sup>3</sup>
Consistency:	pasty
Colour:	black
Resistance against	Water: good
Acids (HCl):	good (depending on the concentration and temperature)
Alkalis (NaOH):	good (depending on the concentration and temperature)
Petroleum solvents:	low
Water vapour diffusion resistance factor:	$\mu \approx 40000$
Dry residue (fresh mixture):	$\approx 80 \%$
Flash point ( Pensky Martens Closed Cup):	< 0 °C
Fire resistance:	combustible
Solvent:	petroleum solvents with low boiling point

The given physical properties are average values measured on products before leaving factory. They can be influenced by insufficient mixing, the application method, the thickness of the layer and the atmospheric conditions during the application and after it, more specifically temperature, relative humidity, sun, wind...

## 5 COVERAGE

The beads of 10 mm diameter require 80 ml/linear meter of joint.  
Quantities depend on the state of the surface, the thickness of insulation, the number of cuttings, shells or segments, the care during

application and the workmanship.  
All information concerning the characteristics and the methods of application are given in good faith but imply no guarantee of responsibility on our part.

 <p>The innovative insulation people</p>	Pittsburgh Corning GmbH (Austria)	Pittsburgh Corning Nederland B.V.	Pittsburgh Corning Schweiz A.G.	FOAMGLAS® Península Ibérica	Pittsburgh Corning Scandinavia ab.
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