



# PENTAFLEX®

## PENTAFLEX KB®

### JOINT PLATE



#### THE PRODUCT

PENTAFLEX KB® elements are fully coated on both sides with a special coating. The connection of the special coating with the fresh concrete reliably prevents water infiltrating the joint system. A concrete covering of 30 mm is enough to withstand a water pressure of 5.0 bar\*. The high elasticity of the coating ensures a secure seal when the concrete components shrink. The individual elements are 2.00 m long and 167 mm or 80 mm high. They are provided with a divided protective film on both sides that is only removed immediately before concreting.

#### FEATURES

- Approved at the European level with ETA-15/0003
- CE mark
- Tested for water-tightness up to 5.0\* bar
- Constant installation monitoring via standardised line
- Resistant to all types of organic effluents
- Simple and reliable connection of the individual elements and cross-points
- No special tools or adhesive materials required

#### APPLICATION AREA

PENTAFLEX® can be used in all construction joints, horizontal or vertical, with pressurised and non-pressurised water:

- Construction joints in wall/base or wall/ceiling area for pressurised and non-pressurised water
- Construction joints in wall/wall or floor/floor area for pressurised and non-pressurised water

The PENTAFLEX® sealing system is suitable for use in structures of stress class 1 and utilisation class A in accordance with the water proofing guidelines.

\* Tested up to 5.0 bar; 2.0 bar permitted in accordance with the ETA [European Technical Assessment] and the abP [general test certificate issued by the German Institute for Civil Engineering (DIBt)] (safety factor of 2.5).

# TECHNICAL INFORMATION



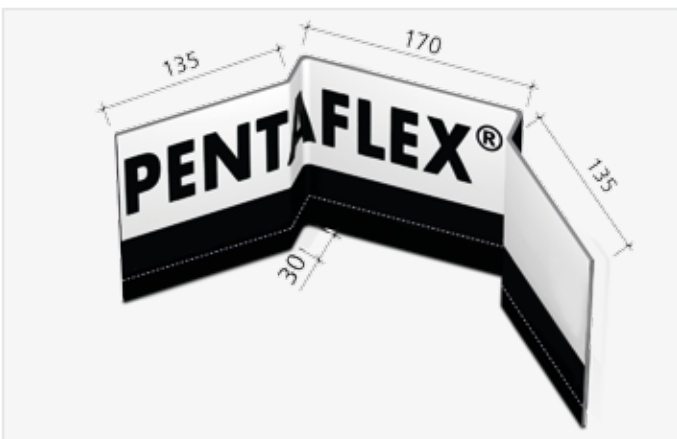
## PENTAFLEX KB® 167

- Individual elements made from galvanised sheet steel fully coated
- Dimensions:
  - l = 2.00 m
  - b = 167 mm
  - t = 1.2 mm
- Fixed to the reinforcement with 1 retaining stirrup per metre (see page 14)
- Embedment depth:  $\geq 30$  mm
- Watertight to 5.0\* bar
- Application: Construction joints in wall/base, wall/wall and floor/floor areas



## PENTAFLEX KB® 80

- Individual elements made from galvanised sheet steel fully coated
- Dimensions:
  - l = 2.00 m
  - b = 80 mm
  - t = 1.2 mm
- The assembly is carried out using KB 80 stirrups which are attached to the wall reinforcement
- Embedment depth:  $\geq 30$  mm
- Watertight to 5.0\*\* bar
- Application: Construction joints in wall/ceiling area



## PENTAFLEX KB® CORNER

- Individual elements made from galvanised sheet steel fully coated
- The assembly is carried out by attaching joint clips to the pre-positioned PENTAFLEX KB®
- Watertight to 5.0\* bar
- Application: Construction joints in corner area in combination with PENTAFLEX KB® and PENTAFLEX® FTS corner

\* tested to 5.0 bar; according to general building supervisory test certificates (shortened to abP) 2.0 bar is permissible which corresponds to a safety margin of 2.5 times the test pressure  
 \*\* tested to 5.0 bar; due to the overall height < 120 mm, a water pressure of only 1.0 bar is permitted in accordance with abP