BESAPLAST® VISIO

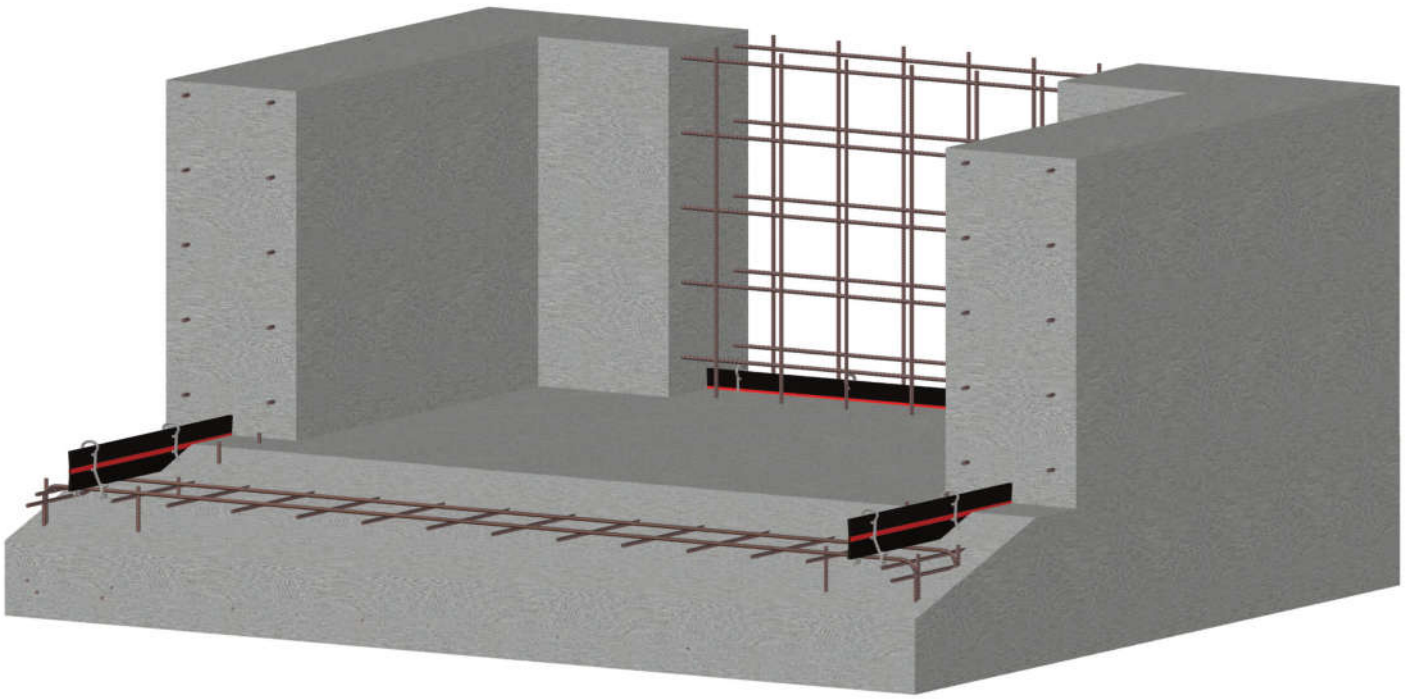
A new trademak made by

BESAPLAST®
Kunststoffe GmbH

- General approval
- § Protected §
- Tested up to 10 bar
- Marking strip
- 25 m mounted in <15 minutes
- Installation on the reinforcement
- Light and handy
- 100% recyclable

BESAPLAST-VISIO® 80

Sealing for construction joints and predetermined crack joints in reinforced concrete components against pressing water



BESAPLAST®
Kunststoffe GmbH

For decades, waterstops were produced in a comparable form. Especially internal waterstops are made so that they are thinner from the center to the outside. For anchoring in the concrete, these waterstops provide barrier anchors which prevent them from being pulled out of the concrete under load. After many years, this form was put to the test at **BESAPLAST® Kunststoffe GmbH** with the question: why?

The anchorage is deep inside the concrete. This cost time and money and leads to static interference.

Starting from point zero, it was time to design a new geometry that only minimally binds into the concrete, is safely anchored, even at high tensile strength and ultimately seals the more effectively the more stress hits the watestop.

The result:

BESAPLAST-VISIO® 80

with general building inspectorated test certificates

Made and protected by:
BESAPLAST® Kunststoffe GmbH
Einsteinstrasse 15 • 46325 Borken • GERMANY
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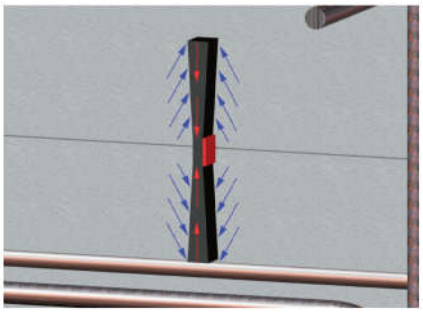
Ausgabe 01/21

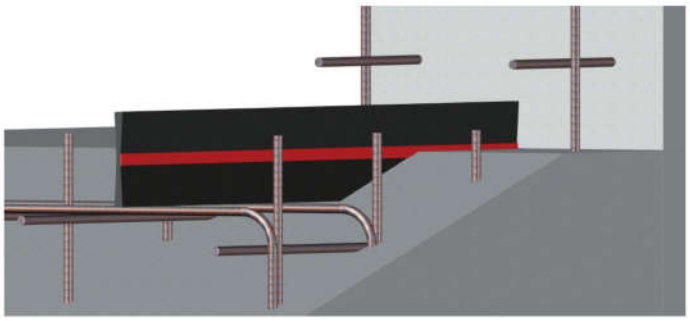
Wedge-shaped geometry

The **BESAPLAST-VISIO® 80** is more powerful on the outside than in the middle. This wedge-shaped geometry anchors the waterstops in the concrete with uniformly increasing material thickness and reacts with tensile load with an increase of the contact pressure against the concrete.



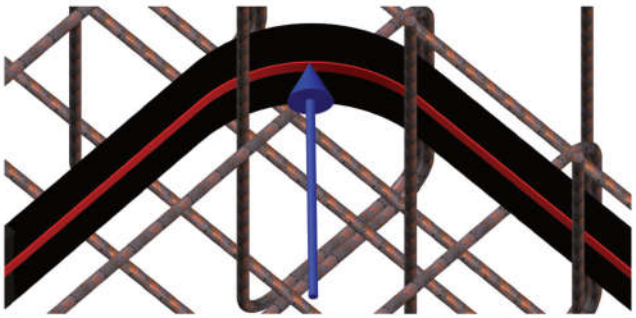
Marking strip

A deliberately striking red marking strip marks the **BESAPLAST-VISIO® 80** in the middle. At a glance, you can see the right embedment depth in the concrete, which offers a clearance of 10 mm.
A simple help with installation and a reliable control to ensure the operation and thus to ensure a high standard of quality.



Laying in the corner

Both the cross-section and the material used provide good flexibility and elasticity. In corner areas the **BESAPLAST-VISIO® 80** can be bent around the weak axis!
(Keep at least 50 mm radius!)
Expensive corner joints are therefore not necessary.



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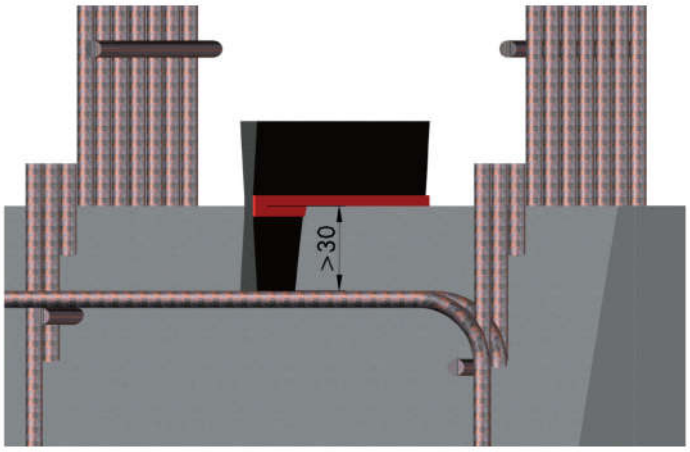
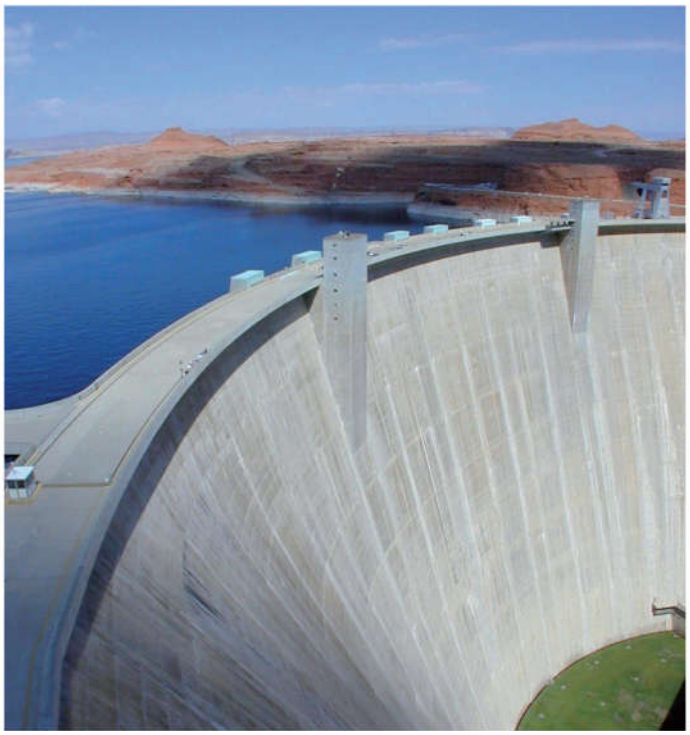
Concrete cover



A sufficient concrete cover is responsible for the preservation of the building fabric over many decades. Insufficient coverage will lead to corrosion of the steel reinforcement over time. The concrete bursts under pressure, the stell is exposed and increasingly endangers the stability of the structure.
Therefore, the **BESAPLAST-VISIO® 80** with a required embedment depth of at least 30 mm is designed so that the concrete cover is maintained and yet the waterstop, for example, directly on the upper reinforcement layer of

Water pressure



BESAPLAST® Kunststoffe GmbH has one thing at heart: we do not just want to manufacture, we want to provide the construction site with a product that we are convinced of and which works!
The official test guidelines of the German Institute for Construction Technology require a water pressure of 5 bar (≈ 50,00 m water column) and a small opening in the joint. Without objections, our product achieved this result.
In addition, we commissioned the testing institute to increase the water pressure to 10 bar - with an impressive result:

The **BESAPLAST-VISIO® 80** is able to withstand a pressure of **100,00 m water column** and is thus also an alternative for extreme demands.
The material examination office „MPA NRW“ granted the official approval (General Building Inspectorated Test Certificate) based on the inclusion of a safety factor of 2,5. BESAPLAST-VISIO 80® may thus be used for a hydrostatic pressure of 4 bar (≈ 40 m water column).

Movement

Working and predetermined cracking joints are the aim of the **BESAPLAST-VISIO® 80**. These joint must be able to absorb slight movements. These arise, for example, from the shrinkage of the concrete during curing or from temperature fluctuations.
The sealing of the joint must also ensure this! Our product does justice to this. This is ensured by our **NITRIFLEX®**, a highly elastic material, which we have been developing and successfully using for decades.

MPA NRW
Materialprüfungsamt Nordrhein Westfalen
BESAPLAST®
DIN 18541
DIN 7865
- überwacht -
Quality supervision
Control de qualite

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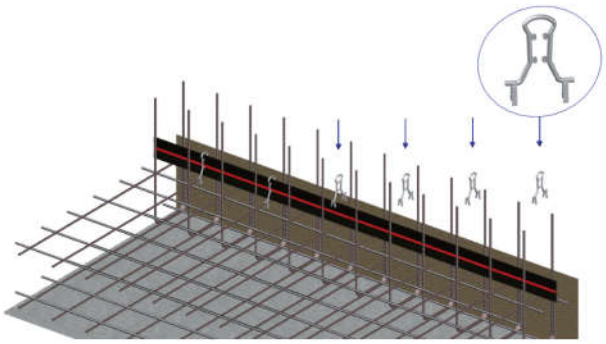
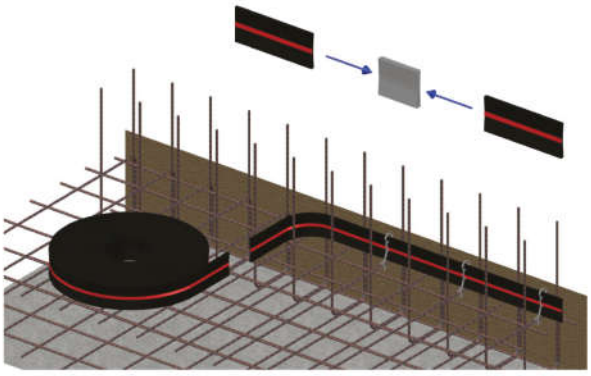
Kunststoffe GmbH

VISIO 80 mounting clip



The **BESAPLAST-VISIO® 80** is fixed directly to the reinforcement using the **VISIO 80 mounting clips** supplied. They are designed for reinforcing steel with diameter 6 up to 12 mm. By simply pushing on, the VISIO 80 mounting clip is pressed onto the reinforcing steel until it clicks into place.
No further work, such as crimping, is required. Installation is extremely fast and efficient!
You can install 25 m in less than 15 minutes!

VISIO 80 plug-in sleeve



The standard delivery length of **BESAPLAST-VISO® 80** is 25,00 m. Extensions are possible as quickly as safely with optionally available **VISIO 80 plug-in sleeves.** A specially developed swellable inner coating ensures sealing.
Thanks to the **NITRIFLEX®** material used, thermal welding is of course still possible for experienced craftsmen.

Delivery

Whether initially for your warehouse or directly to the construction site. You can expect a carefully boxed set with 25 m **BESAPLAST-VISIO® 80** and the corresponding **VISIO 80 mounting clips**. A **VISIO 80 plug-in sleeve** for extension is also included in the delivery, so that the scope of delivery can correspond as closely as possible to your requirement. A short instruction manual is of course also included in the set.
The low weight and compact packing also makes handling easier and saves transport costs!

For whom?

Our product is designed for everyone! Both experienced and inexperienced craftsmen will enjoy our **BESAPLAST-VISIO® 80**. Not least, of course, specialized companies that specialize in sealing work.

CO2-emissions & environment

The impact of pollutants on our environment has become the focus of attention in recent years. With **BESAPLAST-VISIO® 80** , we have succeeded in creating a product which, from the consumption of raw materials to the production itself to the packing, causes significantly less CO2 emissions than previously used products.
All materials used are fully recyclable!

Zertifikat

In einem Zertifizierungsaudit hat die Organisation

Besaplast Kunststoffe GmbH

am Standort
Einsteinstraße 15, 46325 Borken
(Geschäftssitz aller weiteren Firmierungen)
und weiteren Standorten gemäß Zertifikatsanlage
nachgewiesen, dass ein Energiemanagementsystem eingeführt wurde und erfolgreich angewendet wird entsprechend der Norm

ISO 50001
DIN EN ISO 50001 Ausgabe Dezember 2011

für die Tätigkeit
Produktion und Vertrieb von Kunststoffprofilen, PVC Granulat, Kautschukwaren, Kunststoffartikeln im Spritzgussverfahren, Metallerzeugnisse

Dieses Zertifikat wurde ursprünglich ausgestellt am 09. Dezember 2016, zuletzt geändert am 06. Dezember 2017 und ist gültig bis zum 08. Dezember 2019.

Berlin, 06. Dezember 2017

Prof. Dr.-Ing. Jan Liwe Lieback
Geschäftsführer

Andreas Lemke
Leiter der Zertifizierungsstelle