

# FILO form

connect ▶ seal ▶ protect ▶

connect ▶  
seal ▶  
protect ▶



Specialist in sealing technology

# over **50 years** experience and expertise as developer and producer

As energy, communications and continuous innovation are all inextricably linked with our lives today, modern communication and utility networks will play a vital role in the creation of our future society.

Filoform's mission is to assist you in planning for this opportunity now and to provide you with the best solutions, applications and products to protect your investment in the future.

For over 55 years, we have developed expertise in manufacturing and supplying quality products and solutions to connect, seal and protect the

underground cable networks of our international and domestic customers.

Filoform supplies a comprehensive range of quality solutions, applications and products to meet the general, specialist and bespoke requirements of cable, fibre optic and utility networks. Our sealing solutions are characterized by their simplicity, universal application and reliability.

We are at the forefront of R&D in our industry. This ensures that we meet our customers' evolving demands with effective, bespoke and smart solutions. And if it does not exist, we create it.



# MDI - Duct sealing system

## for sealing ducts containing pliable cables

available for duct openings Ø 16-60 mm

Duct sealing system type MDI has been developed to provide an effective and simple solution for situations where a cable is formed around a small radius.

The MDI seals internally & externally around the outside edge of the duct and can be positioned in any orientation.

The kit contains a plastic mould together with the right volume of resin that is needed.

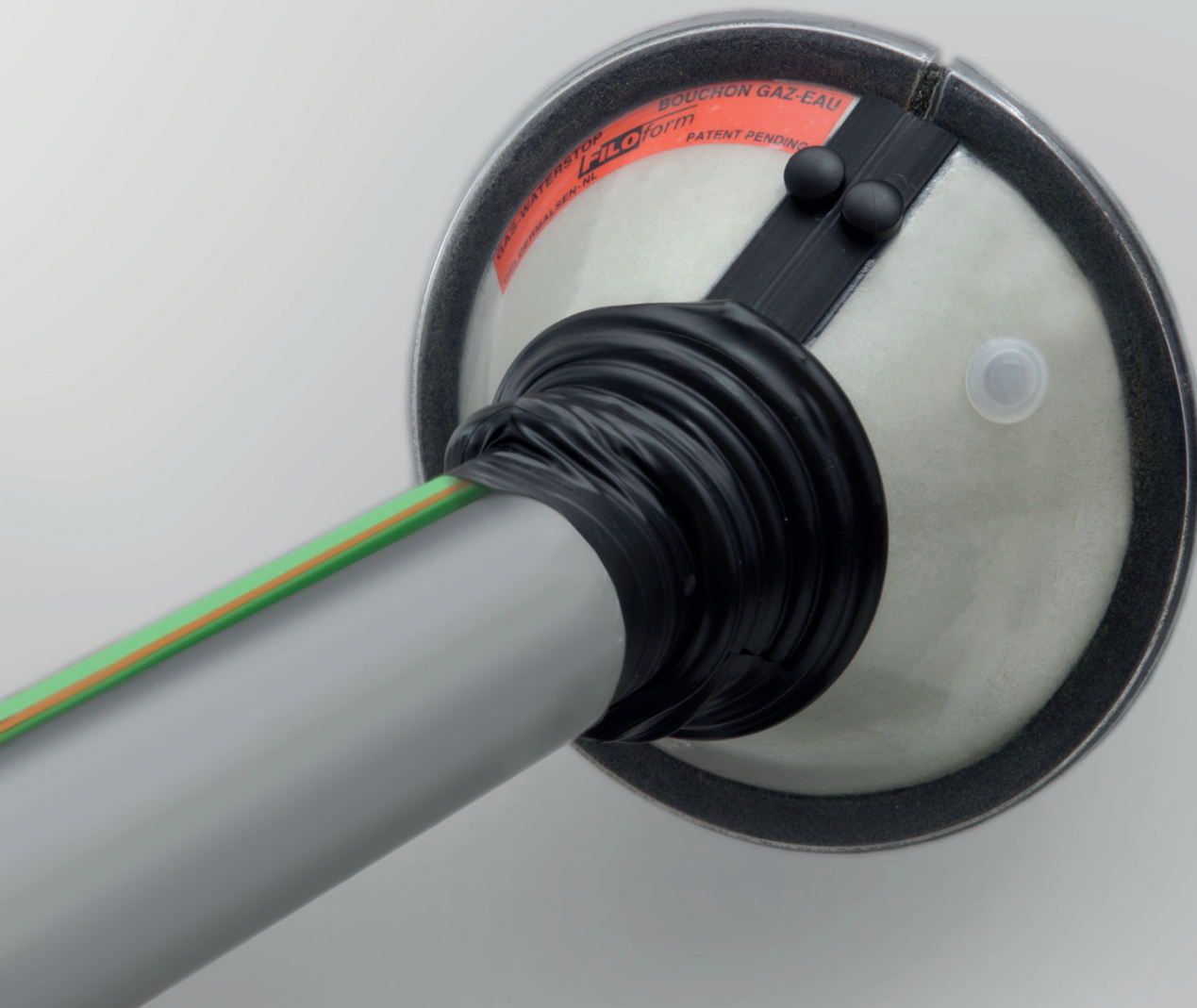
The sealing cap can be applied to the wall by using the special fixing anchor. This way it is not necessary to drill additional holes and to secure the cap with screws.

Filoform duct seals type MD are based on a specially formulated two-component expanding polyurethane resin. When installing our duct sealing system MDI, you will protect valuables from damage which is caused by gas and water leaks.

### FEATURES

- Gas and watertight up to 1,0 bar
- One complete kit for sealing of one duct
- Two fill openings
- Special fixing anchor
- High mechanical strength, resists ground movement, shocks and vibrations
- Easy and quick installation
- 2-component resin bag
- Short curing time

For more product information visit our website.



# MDII - Duct sealing system

## for sealing standard duct openings

available for duct openings up to Ø 250 mm

Duct sealing system type MDII has been developed to provide an effective and simple solution for all your Gas and Watertight duct sealing requirements.

The MDII seals internally & externally around the outside edge of the duct and even closes a possible gap between a PVC duct that has been casted directly into the concrete wall.

The kit contains a conical shaped mould together with the right volume of resin that is needed.

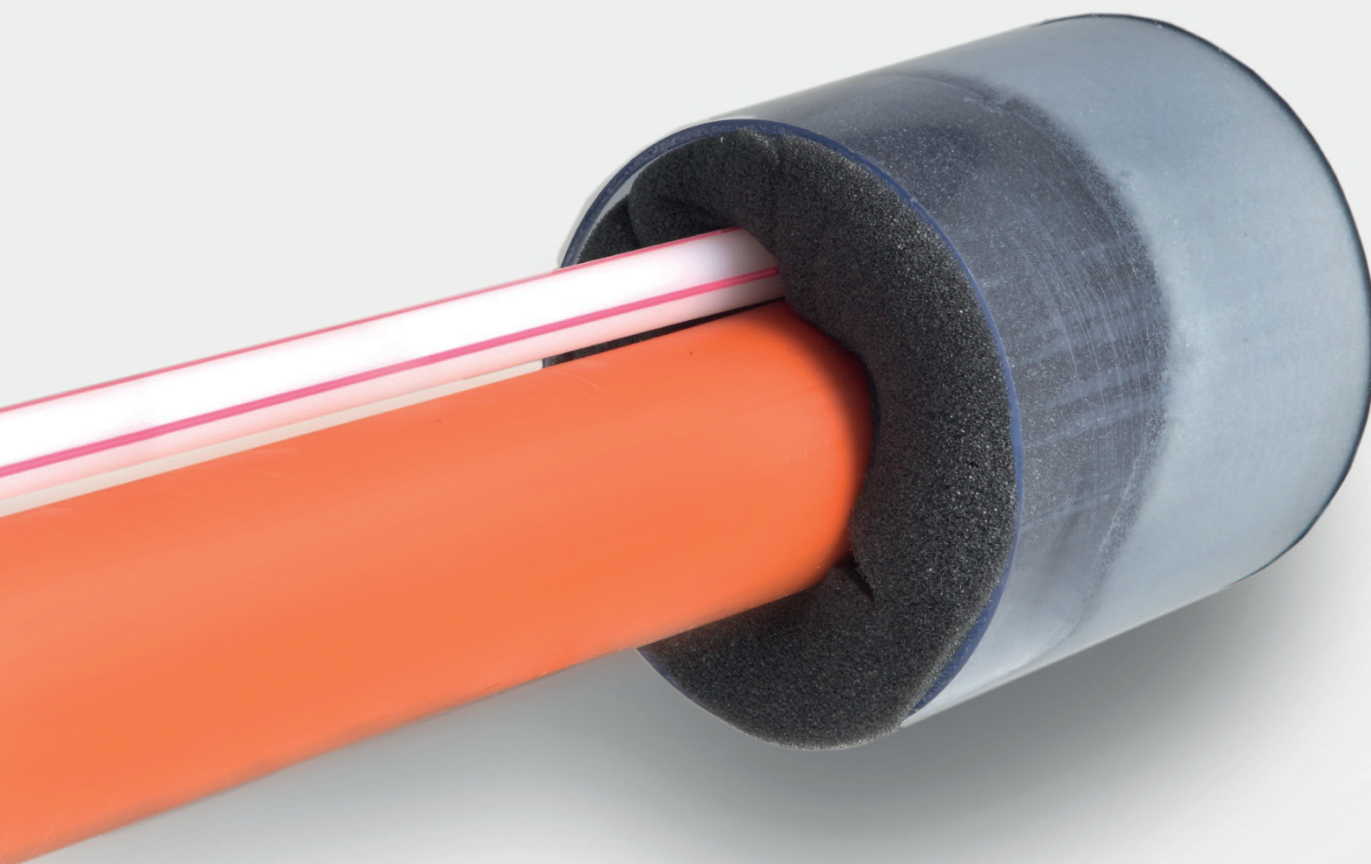
Filoform duct seals type MD are based on a specially formulated two-component expanding polyurethane resin. After pouring the resin in the duct, the resin starts expanding by forming CO<sup>2</sup>. During the expansion the polyurethane filling material penetrates all areas inside the duct, thus sealing all openings regardless of the shape of the duct or borehole.

The MDII system is suitable in situations where more than one cable or pipe is in the duct.

### FEATURES

- Gas and watertight up to 1,0 bar
- Divisible conical shaped mould
- Special cord wrap to fix the mould
- Also suitable for renovation works
- Can be used in any shaped or sized duct up to 200mm
- Closed watertight cell structure
- Over 35 years of operational experience
- High mechanical strength
- One complete kit for sealing of one duct

[Watch the product installation video's on our website or youtube channel](#)



## MDIII - Duct sealing system for sealing of extending ducts

available for duct openings up to Ø 250 mm

Duct sealing system MDIII have been developed to provide a effective and simple solution for Gas and Watertight sealing of cables / pipes in ducts or bore holes.

MDIII is used as an internal pipe/duct seal and also when duct openings are close together and it's not possible to use duct sealing system type MDII.

The product contains 2 foam flanges which can be placed inside a duct to create a chamber where

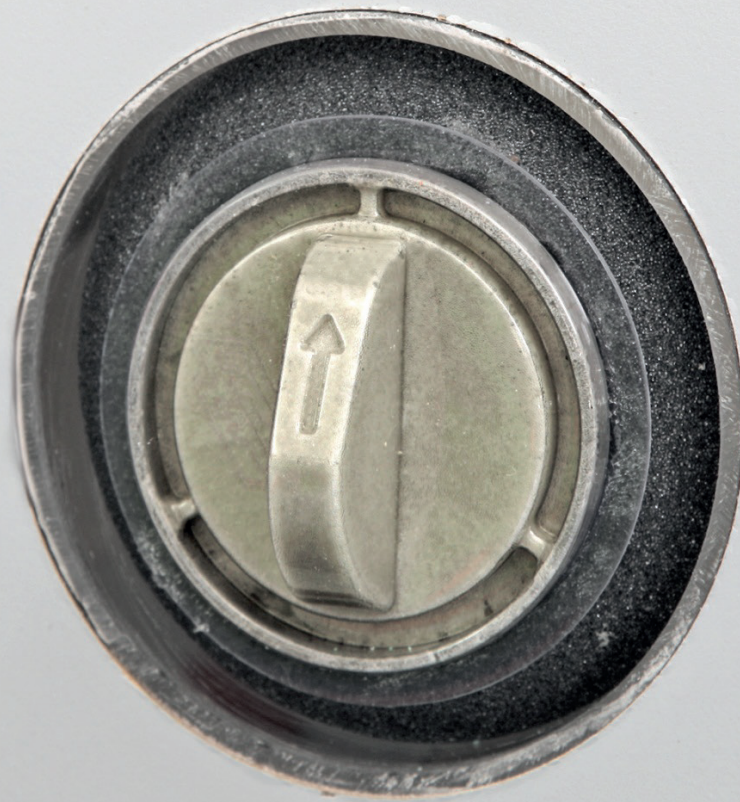
the resin can be poured in. After pouring the resin in the duct, the resin starts expanding by forming CO<sub>2</sub>. During the expansion the polyurethane filling material penetrates all areas inside the duct, thus sealing all openings regardless of the shape of the duct or borehole.

The polyurethane sealant will cure and harden into high density foam with a closed cell structure. Duct sealing system MDIII is extremely flexible and can be installed in ducts vertically and horizontally.

### FEATURES

- Gas and watertight up to 1,0 bar
- Easy and quick installation
- Over 35 years of operational experience
- Can be used in any shaped or sized duct up to 250mm
- Seals all known materials: PVC & PE sheeted cables, PILC cables, (HD)PE pipes, PE water conduits
- One complete kit for sealing of one duct
- Contains the exact volume of resin needed

For enquiries contact our sales department.



# MDIV - Duct sealing system

## for sealing of empty ducts

available for duct opening Ø 75-160 mm

Duct sealing system type MDIV is suitable for quick and easy sealing of empty ducts / bore holes where cables or pipes are to be installed at a later date. The system provides an effective Gas and Water-tight seal.

The product contains a special designed insert for applying into a duct opening. Before inserting it in to the duct opening the product is filled with the specially formulated two-component expanding polyurethane resin.

After applying the filled product in the duct, the resin starts expanding by forming CO<sup>2</sup>. During the expansion the polyurethane filling material penetrates all areas inside the duct, thus sealing all openings regardless of the shape of the duct or borehole.

This duct sealing system is extremely flexible and can be installed in ducts vertically and horizontally.

### FEATURES

- Gas and watertight up to 1,0 bar
- Can be used in any shaped or sized duct
- One complete kit for sealing of one duct
- Re-enterable
- Visual check trough transparent plastic
- No architectural measures necessary
- Quick & easy installation

Keep updated with our new developments, sign up for the Filoform newsletter



# FiloSeal+

## universal re-enterable duct sealing system

duct opening up to Ø 200 mm

Duct sealing system FiloSeal+ is a universal solution for sealing cables and pipes in ducts, bore holes or transit frames.

The tri-flexible foam makes positioning and separation of the cables very simple while also providing a backing for the MD+ to be applied on to. FiloSeal+ is suitable for sealing any cable configuration or pipes contained in one duct and also allows easy re-entry of the seal to add or remove cables or pipes as required

The Filoform duct sealing system FiloSeal+ uses our MD+ sealant which is easily applied from a skeleton gun. The high quality, one component, flexible sealant "MD+" is based on a silicone compound that cures with air (Humidity).

After application and full curing the thixotropic MD+ forms a plastic elastomer mass with special qualities effectively sealing and bonding, while providing a high level of durability.

### FEATURES

- Excellent adhesion and sealing
- Suitable for all types of cable transits
- Re-enters cables with no disturbing sealing
- Easy installation
- One component sealing compound

For enquiries contact our sales department.



# FiloSeal+HD

## universal re-enterable duct sealing system

duct opening up to Ø 160 mm

Duct sealing system FiloSeal+HD is a universal solution for sealing larger heavy cables and pipes in ducts, bore holes or transit frames.

FiloSeal+HD provides a strong support system using the hexagonal tubes which builds up like a honeycomb structure. FiloSeal+HD is suitable for sealing any cable configuration or pipes contained in one duct and also allows easy re-entry of the seal to add or remove cables or pipes as required

The Filoform duct sealing system FiloSeal+HD uses our MD+ sealant which is easily applied from a skeleton gun. The high quality, one component, flexible sealant "MD+" is based on a silicone compound that cures with air (Humidity).

After application and full curing the thixotropic MD+ forms a plastic elastomer mass with special qualities effectively sealing and bonding, while providing a high level of durability.

### FEATURES

- Gas and watertight up to 2,0 bar
- High pull-out force
- Suitable for all types of cable transits
- Suitable for heavy weight cables
- Creates a flexible shock absorbing sealing
- Hexagonal tubes for creating a firm backing
- Easy installation
- Re-enterable
- Resistant against chemical agents
- Contact sales dep. for Fire resistant version

Watch the FiloSeal+HD productvideo online on our website.

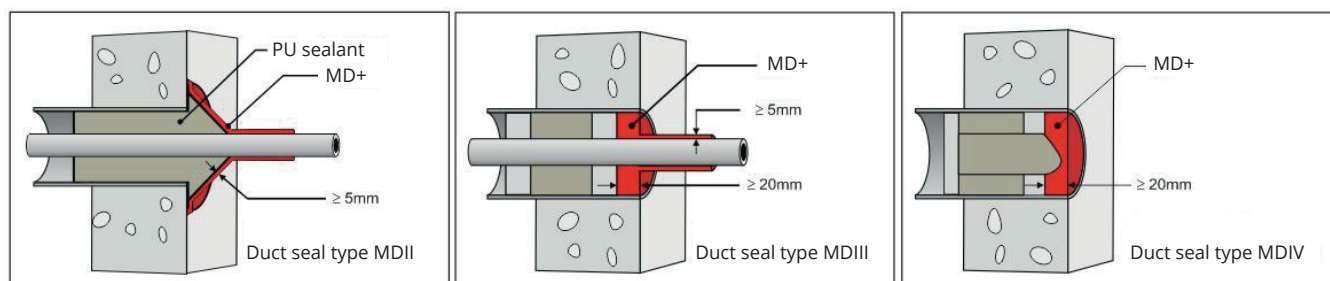




## Fire resistant duct sealing systems

Filoform duct sealing systems have been used for decades to provide a gas and watertight sealing. Now these seals can be made Fire resistant up to 2 hours by finishing them with the special MD+ fire resistant sealant.

Use of the special MD+ fire resistant sealant in combination with Filoform duct sealing systems type MD provides a fire resistance up to 2 hours in conformity with the standard EN1366-3:2009.



### FEATURES

- Fire resistant up to 2 hours
- Tested on various types of cables and piping
- Quick and easy installation
- Tested and approved by Warrington Fire
- Expands when exposed to fire
- Tested with MDII, MDIII and MDIV
- MD+: Flexible one-component product
- EN1366-3:2009 / EN13501-2:2007

For more details contact our sales department

## MD+ Sealant

MD+ is an elastic one-component sealant suitable for the gas and watertight sealing of cable entries. With the application of the MD+ sealant, you will protect valuables from damage which is caused by gas and water leaks.

## Fill & Seal

Filoform Fill & Seal compound is a high quality, flexible and strong one-component product. The Filoform glueing and sealing compound is based on a hybrid MS-polymer. After application the compound cures with atmospheric moisture to form a durable, high-levelled elastomer.



### Cable joints



### Gel technique



### Resins



### Cabinet base sealant



### Sealing plugs



### Fibre optic seals



### Cold & Heat shrink



### Tapes



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