

DUCT SEALING SYSTEMS



ACCABLE
SOLUTIONS

Manufacturers & Suppliers of
**High-Quality Chemical & Mechanical
Cable Duct Sealing Products**



DAFA

KRASO
SIMPLE + TIGHT

[DUCTSEAL]



Manufacturers & Suppliers of
**High-Quality Chemical & Mechanical
Cable & Duct Sealing Products**

AC Cable Solutions manufactures, sources and supplies high-quality chemical & Mechanical sealing products and solutions to a wide range of Industries such as Construction, Mining, Manufacturing, Transport, Infrastructure and Utilities.

All of our products are manufactured to the highest quality standards in partnership with leading Global Chemical Companies worldwide. We work hard with our customers to find suitable solutions to satisfy their sealing needs, no matter how big or small the project may be.

Expert Advice, Next Day Delivery
& carriage paid on orders of £75.00+



Need further assistance?



Call us: +44 (0)161 874 1480

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Distributors for:

[DUCTSEAL]

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[DUCTSEAL]

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SIMPLE + TIGHT

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[DUCTSEAL]

Reliable Sealing for Critical Infrastructure

DuctSeal products are trusted by professionals worldwide to protect vital installations from harmful gases, water ingress, and vermin. Engineered for efficiency and compliance with industry standards, DuctSeal offers innovative, re-enterable sealing systems ideal for the water, gas, electrical, and telecom sectors. Designed for long-lasting, robust performance, DuctSeal ensures your infrastructure remains secure—no matter the challenge.

Why Choose DuctSeal?

- **Proven Protection:** Safeguard critical infrastructure from gas leaks, water damage, and pests.
- **Re-Enterable Design:** Access and maintain your cabling or pipes with minimal disruption.
- **Industry-Compliant:** Developed to meet the rigorous standards set by water, gas, electrical, and telecom sectors.
- **Worldwide Trust:** DuctSeal's reliability has earned respect and recommendation from professionals across the globe.

Proudly Made in Britain

- **Supporting Local Expertise:** Our passion for British craftsmanship means we partner with local suppliers, ensuring consistent quality and reinforcing the UK's manufacturing heritage.
- **Quality Without Compromise:** Every component that goes into DuctSeal is meticulously chosen to uphold our high standards of performance and durability.
- **Made in Britain Certified:** We're thrilled to announce our official certification as a "Made in Britain" manufacturer—an accolade that underscores our dedication to British innovation and excellence.

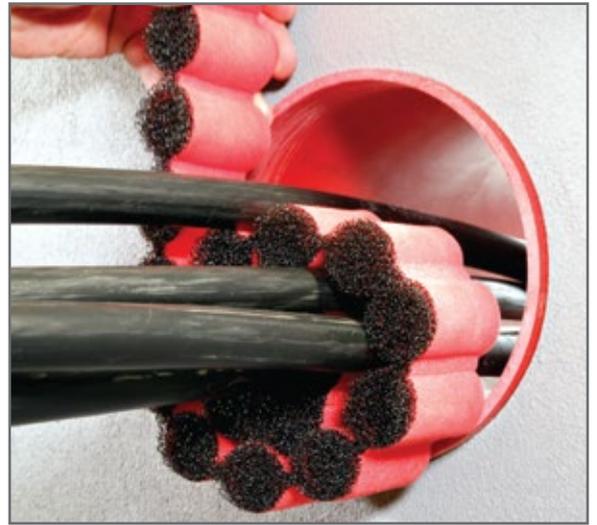


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Cable Duct Sealing System

(cables <25mm Ø) - ≤1 Bar Pressure Resistance



DuctSeal LG (Water & Gas) is a re-enterable duct sealing system that is extremely flexible in its ability to seal cables & pipes in ducted networks to protect and stop the ingress of harmful or flammable gases, liquids, smoke and vermin.

DuctSeal LG comes complete with our unique daisy chained circular foam tubes that easily wraps and separates cables to ensure limited movement while applying our NEW flexible intumescent, zero halogen and zero Meko adhesive and sealing compound, GreyStuff & RedStuff.

DuctSeal LG, along with GreyStuff & RedStuff, is a non-hazardous, FyBrid superior single-component, neutral curing sealant that has been specifically developed to cope with the harsh environments around duct openings to ensure ducted networks and penetrations are protected.

ORDER DETAILS

Part No.	Duct Opening Max	Max Single Cable Ø	Unit Sold
Using 1 x DuctSeal LG Kit – 50 to 125mm			
DSL125	125mm	100mm	x1 Kit
Using 2 x DuctSeal LG Kit – 150 to 200mm			
DSL200	200mm	175mm	x2 Kits

Available with Grey (GreyStuff) or Red (RedStuff) colour sealants.
 *Contractor kits are also available, designed with reduced packaging.
 Contact our sales team for more details.

KEY FEATURES

- Revolutionary circular foam backing system
- MEKO-free, Fybrid, Non-Hazardous Intumescent sealant
- Resists Toxic Gases - Ideal for the Water Industry (methane, chlorine & hydrogen sulfide)
- Resists Hydrocarbons - Perfect for the Petrol Forecourts
- Flame Retardant - tested to UL94: 2013 ANSI/UL 94: 2018
- Microbial Defense - boosted to resist fungi & bacteria
- DSEAR, WIMES, DCG, APEA, BLUE BOOK & ATEX Compliant
- WIMES Compliant: 3.02 2019, clause 6.4.3.2d

FyBrid Technology®

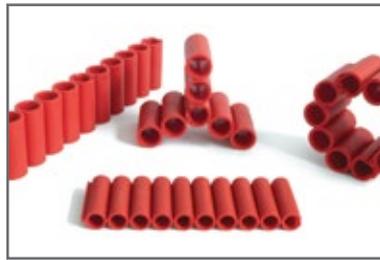
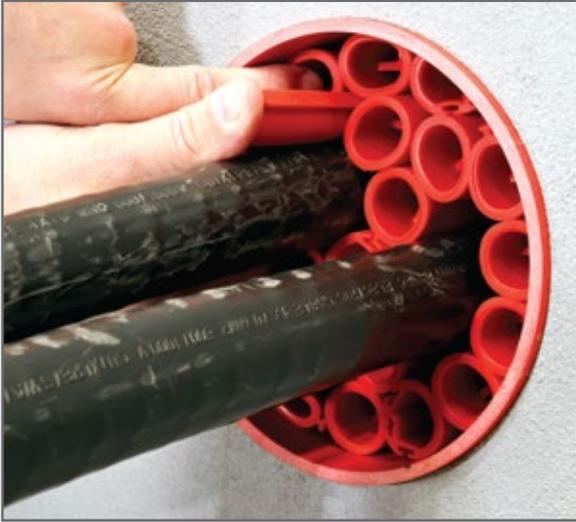


Re-Enterable Duct Sealing Systems

[DUCTSEAL] HG

Cable Duct Sealing System

(large heavy cables) - ≤ 2 Bar Pressure Resistance



DuctSeal HG (Water & Gas) is a re-enterable duct sealing system that is extremely flexible in its ability to seal large, heavy cables & pipes in ducted networks to protect and stop the ingress of harmful or flammable gases, liquids, smoke, and vermin.

DuctSeal HG comes complete with our PATENT PENDING unique tubular rubber backing system that can be joined together in a long continuous strip, joined to make a ring/collar, but best of all, joined in a cross shape to create a perfect shape for separating trefoil/triplex cables. This unique design ensures DSEAR compliance but also aids the installer as it's simple & quick to create the support & separation on large cables or pipes. The PATENT PENDING ULTIMATE backing system, which is one of a kind, is combined with our NEW FyBrid flexible intumescent, zero halogen, & zero Meko adhesive and sealing compound, GreyStuff & RedStuff.

KEY FEATURES

- Complies with DSEAR Duct Sealing Regulations
- Patented trefoil / triplex cable separation
- Hydrocarbon Resistant
- Non-Hazardous (Does not emit MEKO)
- Age Tested for up to 50 Years Protection
- Flame Retardant Tested to UL 94
- Resistant to Toxic & Corrosive Gases
- WIMES Compliant: 3.02 2019, clause 6.4.3.2d
- Network Rail PADS No. 0086/002658
- Microbial Defence



ORDER DETAILS

Part No.	Duct Opening Max	Unit Sold
Using 1 x DuctSeal HG Kit – up to 100mm		
DSHG100	100mm	x1 Kit
Using 2 x DuctSeal HG Kit – up to 150mm		
DSHG150	150mm	x2 Kits
Using 3 x DuctSeal HG Kit – up to 200mm		
DSHG200	200mm	x3 Kits
Using 4 x DuctSeal HG Kit – up to 225mm		
DSHG225	225mm	x4 Kits
Using 5 x DuctSeal HG Kit – up to 250mm		
DSHG250	250mm	x5 Kits

Available with Grey (GreyStuff) or Red (RedStuff) colour sealants. *Contractor kits are also available, designed with reduced packaging. Contact our sales team for more details.

FyBrid Technology®





Cable Duct Sealing System

(fire resistant) - ≤2 Bar Pressure Resistance



DuctSeal FR is an innovative, low-smoke, zero-halogen duct sealing system designed for exceptional flexibility. It effectively seals all cable sizes, including large, heavy cables and pipes within ducted networks.

This system is engineered to prevent the ingress of harmful or flammable gases, liquids, fire, smoke, and pests, and it has been rigorously tested according to BS EN 1366-3:2021 & AS1530.4-2014.

ORDER DETAILS

Part No.	Duct Opening Max	Unit Sold
Using 1 x DuctSeal FR Kit – up to 100mm		
DSFR100	100mm	x1 Kit
Using 2 x DuctSeal FR Kit – up to 150mm		
DSFR150	150mm	x2 Kits
Using 3 x DuctSeal FR Kit – up to 200mm		
DSFR200	200mm	x3 Kits
Using 4 x DuctSeal FR Kit – up to 225mm		
DSFR225	225mm	x4 Kits
Using 5 x DuctSeal FR Kit – up to 250mm		
DSFR250	250mm	x5 Kits

DSFR225 & 250 – Un-tested for Fire Resistance

Available with Grey (GreyStuff) or Red (RedStuff) colour sealants. *Contractor kits are also available, designed with reduced packaging. Contact our sales team for more details.

DuctSeal FR features our patent pending design comprising Intumescent circular-shaped tubes manufactured from our FireStuff marine-grade granulate. These tubes can be seamlessly connected, torn apart, and reconfigured into a cross-shaped structure to accommodate trefoil cables. This unique backing support system provides robust structural integrity and minimises cable movement during the application of our flexible intumescent adhesive and sealing compounds, GreyStuff or RedStuff. All components are designed and manufactured in the UK, ensuring high quality and reliability.

KEY FEATURES

- Fire Resistant up to 4hrs, tested to BS EN 1366-3:2021
- Complies with DSEAR Duct Sealing Regulations
- Patented trefoil / triplex cable separation
- Hydrocarbon Resistant
- Non-Hazardous (Does not emit MEKO)
- Age Tested for up to 50 Years Protection
- Resistant to Toxic & Corrosive Gases
- Microbial Defence
- WIMES Compliant: 3.02 2019, clause 6.4.3.2b
- Tested to AS1530.4-2014 (Australian / New Zealand fire standard)



FyBrid Technology®



Re-Enterable Duct Sealing Systems



GreyStuff & RedStuff are exceptional single-component sealants, meticulously formulated with FyBrid technology, boasting neutral curing properties and a non-hazardous composition. These innovative sealants are specifically designed to withstand the challenging conditions present in and around duct openings, guaranteeing optimal protection for ducted networks and penetrations.

KEY FEATURES

- Hydrocarbon Resistant
- Non-Hazardous (Does not emit MEKO)
- Complies with DSEAR Duct Sealing Regulations
- Age Tested for up to 50 Years Protection
- Flame Retardant Tested to UL94: 2013 ANSI / UL 94: 2018
- Low Odour when Curing
- Resistant to Toxic & Corrosive Gases
- Microbial Defence
- WIMES Compliant
- Soon to be tested to BS EN1366-4:2021 for Liner Gaps

Intumescent Water & Gas Tight Duct Sealant

ORDER DETAILS

Part No.	Volume	Unit Sold
GreyStuff310	310ml	x12/Box
RedStuff310	310ml	x12/Box

SPECIFICATIONS

Feature	Measurement
Density	1.27
Colour	Anthracite Grey or Brick Red
Skin Over Time	10 mins
Curing	3-4mm per day
Tack Free Time	22 mins
Hardness	35 to 38 Shore A
Elongation	250%
Flow	3.33 million cPs at 380°C
Tensile Strength	0.72N/mm ²
Operating Temp.	+5 to 40°C
Temp. Resistance	-35 to +120°C
Intumescence Activation Temp.	210°C
Shelf Life	12 months

FyBrid Technology®



AC Super 26 Heavy Duty Caulking Gun



Introducing the AC Cables Solutions Super 26 High Pressure Skeleton Gun, your ultimate solution for effortlessly dispensing highly viscous materials. Crafted in Japan with precision, this heavy-duty and ultra-powerful tool boasts an impressive ratio of 26/1, ensuring optimal performance.

Designed to meet the demands of professionals, our Super 26 High-Pressure Gun stands out as an extra high thrust caulking mastic sealant gun. Its extended barrel accommodates 310ml cartridges, providing convenience and efficiency. With the innovative 360° Rotating Handles™ featuring comfortable elastomer non-slip grips, you can achieve maximum control and precision during applications.

Whether you're working with GreyStuff, premium silicones, hybrid or modified polymers, anchor resins, or other stiff adhesives, our Super 26 High-Pressure Gun is your reliable companion.

Experience the ease and reliability of our professional skeleton gun, engineered to tackle even the most challenging tasks. Say goodbye to the struggles of dispensing thick materials and embrace the efficiency and power of the AC Cables Solutions Super 26 High-Pressure Gun.

KEY FEATURES

- **AUTO-FLOW STOP** - Plunger automatically retracts 2 millimeters after each push to efficiently stop flow
- **360° ROTATING HANDLE** - Handle rotates for easy tip angle adjustments and maneuvering in tight spaces
- **TWIN THRUST SYSTEM** - Advanced twin thrust dispensing system strengthens the force of the plunger enhancing the flow of materials
- **EXTRA LONG BARREL** - Extra long, steel welded barrel allows for quick, hassle-free cartridge reloads while maintaining long-lasting durability
- **SEAL PUNCTURE PIN INCLUDED** - Comes with a seal puncture pin to easily open new tubes

SPECIFICATIONS

Part No.	SKELGUN310
Ratio	26/1
Cartridge Size	310ml
Colour	Red/Black

Reduce Reuse Recycle Repeat

AC Cable Solutions is pleased to offer our new Contractor Kits, designed to significantly reduce packaging waste.

Ideal for larger projects, these kits cut down on the need to recycle countless boxes and help you work more efficiently.

By including all necessary components in one convenient package—whether it's DuctSeal LG, DuctSeal HG, or DuctSeal FR—you'll save time, minimise waste, and enjoy a faster installation process.

[DUCTSEAL] LG Order code: AC-DSLGI25/C

- Contains 12 kits to seal 12 ducts up to 125 mm in diameter, or
- Contains 6 kits to seal 6 ducts up to 200 mm

[DUCTSEAL] HG Order code: AC-DSHG125/C

- Contains 12 kits to seal 12 ducts up to 100 mm in diameter, or
- Contains 6 kits to seal 6 ducts up to 150 mm

[DUCTSEAL] FR Order code: AC-DSFRI25/C

- Contains 12 kits to seal 12 ducts up to 100 mm in diameter, or
- Contains 6 kits to seal 6 ducts up to 150 mm



Streamline your installations and contribute to a more sustainable future.

For more information or to place an order, get in touch with AC Cable Solutions today.

Duct Sealing Systems Comparison

[DUCTSEAL] LG + GREY or RED STUFF

Perfect for Smaller Cables <25mm

- WIMES 3.02 2019:6.4.3.2 (D)
- APEA / Blue Book Compliant
- Seals up to 1 Bar of Pressure
- Resists Toxic Gases
- Resists Hydrocarbons
- DSEAR Compliant
- Tested To UL94:2013 Flame Retardent



[DUCTSEAL] HG + GREY or RED STUFF

Perfect for all Cable Sizes & Trefoil Cables

- WIMES 3.02 2019:6.4.3.2 (B*)
- APEA / Blue Book Compliant
- Seals up to 2 Bars of Pressure
- Resists Toxic Gases
- Resists Hydrocarbons
- DSEAR Compliant
- Tested To UL94:2013 Flame Retardent



[DUCTSEAL] FR + GREY or RED STUFF

Perfect for all Cable Sizes & Trefoil Cables

- WIMES 3.02 2019:6.4.3.2 (B)
- APEA / Blue Book Compliant
- Seals up to 2 Bars of Pressure
- Resists Toxic Gases & Hydrocarbons
- DSEAR Compliant
- Tested To UL94:2013 Flame Retardent
- Fire Resistant up to 4hrs, Tested to BS EN 1366-3:2021



KRASO® SIMPLE + TIGHT

Perfect for Running Water, Cables & Pipes of all sizes

- Off the shelf solutions & customised seals made to order in 24hrs
- DSEAR Compliant
- Seals up to 10 Bars of Pressure
- Resists Toxic Gases & Hydrocarbons
- Patented Torque Nut
- Peelable Layers for Flexibility



KRASO®
SIMPLE + TIGHT

Made In Germany – In Use Worldwide!

- + With more than 40 years of experience in sealing technology, thousands of convinced customers and successfully sealed buildings KRASO® know what really matters: simple and tight!
- + KRASO® offer a complete and co-ordinated product range for the secure sealing of buildings - always paying close attention to the highest quality standards in construction, material and production!
- + The quality of KRASO® products is regularly verified by independent institutes! Tested in the laboratory and proven on the construction-site - always be on the safe side with KRASO® products.



Scan to view all products





+ For installation in bore/core holes or ducts

KRASO® Sealing Insert

- + 5 mm thick clamping plates made of corrosion-resistant stainless steel (V2A)
- + Specially formulated rubber compound for superior sealing properties
- + Welded studs instead of through bolts, plus additional studs for even pressure distribution

KRASO® DKM Torque Control Nut

- + Integrated torque limiter—no torque wrench required

Certified & Tested

- + Gas tight per DIN EN 13611 (verified by the DVGW Research Centre)
- + MPA-tested: reliably seals against pressurized water up to 10 bar
- + Radon-tightness verified by IAF, meeting requirements for radon precautionary areas
- + Gas and odour-tight in compliance with TA-Air
- + Tested according to FHRK test specification GE 101



KRASO® Sealing Insert
Universal DD



KRASO® Sealing Insert
Type ED + DD + VD



KRASO® Sealing Insert
Type Blind ED + DD + VD



KRASO® Sealing Insert
Universal GR



KRASO® Sealing Insert
Universal Multiple - split -



KRASO® Sealing Insert
Type SD



KRASO® Sealing Insert
Type TD-X



Patented Technology

KRASO® DKM Torque Control Nut

- + Achieve **total control over torque** and contact pressure
- + **Audible and signals** indicate the ideal torque. Click when its tight
- + Installation has never been easier - **no torque wrench required!**
- + **Loosen and retighten effortlessly** with automatic torque limitation!
- + Consistent Installation - **No over or under tightening**

KRASO® Universal Mechanical Duct Sealing System



Universal Mechanical Duct Sealing Solutions

The Kraso Universal range provides long-term protection against flooding, gas ingress and pests. Made from a specialised EPDM and robust V2A stainless steel, it withstands high pressures and aggressive chemicals, along with Kraso's torque-controlled nuts to ensure every installer achieves the correct tightness every time.

- + For Core/Bore holes & Ducting
- + Stepless peelable layers for adjusting to cables or pipes
- + Can be installed with existing cables or pipes in place
- + 2.5 Bar pressure resistant (25 meters of water)
- + Patented torque nut - NO torque wrench required
- + Gas and odour-tight - high-quality in terms of TA-Air!
- + Radon tightness IAF tested - meets the requirements for radon precautionary areas according to FHRK leaflet MB 101!
- + KRASO® Sealing Insert quality: 5 mm thick clamping plates made of non-corrosive stainless steel V2A with a 40 mm seal made of specially developed rubber mixture, welded-on studs instead of through bolts



Stepless onion ring technology!
example
KRASO® Sealing Insert Universal Multiple 100 - split - Design 1:
4 x 6 - 33 mm or blind



Type / Item	KRASO® Sealing Insert Universal Multiple - split -			
Core drilling / casing in mm	100	125	150	200
	Stepless onion ring technology: external cable diameter from... to ... in mm			
Design 1	4 x 6 - 33 mm or blind	6 x 6 - 28 mm or blind	3 x 6 - 52 mm or blind	3 x 6 - 28 mm or blind 4 x 6 - 52 mm or blind
Design 2	3 x 6 - 18 mm or blind 2 x 6 - 33 mm or blind	-	4 x 6 - 18 mm or blind 6 x 6 - 33 mm or blind	7 x 6 - 18 mm or blind 8 x 6 - 33 mm or blind
Design 3	8 x 6 - 18 mm or blind	-	6 x 6 - 38 mm or blind	-
Design 4	1 x 18 to 65mm or blind	-	1 x 12 to 75mm or blind	1 x 110 to 160mm

Further arrangements available at short notice!



Customised Mechanical Duct Sealing Solutions

The Kraso SD mechanical duct sealing system can be fully customised to accommodate any circular duct size and cable/pipe configuration. Like all of Kraso's duct sealing systems, the SD circular transit seal offers lasting protection against concerns such as flooding, gas permeation, humidity, and the intrusion of rodents. Comprising two components, this seal can be conveniently installed, even in damp conditions and areas with ongoing water flow.

Engineered to thrive in the most challenging environments, this duct sealing system rises above the rest. It conquers intense water and gas pressures while repelling toxic and hazardous elements. Crafted from high-quality, non-corrosive stainless steel V2A, this SD customisable penetration seal guarantees longevity and reliability.

- + For Core/Bore holes & Ducting
- + Fully customisable
- + Can be installed with existing cables or pipes in place
- + Up to 5.0 Bar pressure resistant (50 meters of water)
- + Patented torque nut - NO torque wrench required
- + Gas and odour-tight - high-quality in terms of TA-Air!
- + Radon tightness IAF tested - meets the requirements for radon precautionary areas according to FHRK leaflet MB 101!

KRASO® Sealing Insert Type SD 30 • KRASO® Sealing Insert Type SD 60 **LG 1**

for installation of pipes or cables, Torque Control Nut KRASO® DKM*

DafStB waterproof concrete guideline: stress class 1 + 2

- + KRASO® Type SD 30 – Solid up to 2.5 bar Pressure
- + KRASO® Type SD 30 – T - Split Design up to 2.5 bar of pressure
- + KRASO® Type SD 60 - Solid up to 5.0 bar Pressure
- + KRASO® Type SD 60 – T - Split – Split design – up to 5.0 bar of pressure

Usually ready for dispatch within 24 hours!

All sizes and diameters available on request!



KRASO® Type SD 30



KRASO® Type SD 30 - T



KRASO® Type SD 30 - GF



KRASO® Type SD 60



KRASO® Type SD 60 - T



KRASO® Type SD 60 - GF

KRASO® Mechanical Duct Seals for Single Cables & Pipes



KRASO® Sealing Insert Type ED + DD + VD **LG 1**

The Kraso range of Single Cable & Pipe Seals—featuring the versatile, ED, DD & VD mechanical duct seals. Purpose-built to protect your infrastructure against water ingress, gas leaks, and rodent intrusion. A robust V2A stainless steel construction and patented torque-rated tightening nut ensure secure, long-lasting performance up to 8.0 bar, with no risk of under- or over-tightening. Plus, our rapid customisation and 24-hour manufacturing services help you quickly address even the most demanding scenarios, preventing costly downtime and safeguarding critical equipment



KRASO® Type ED



KRASO® Type ED/T
(split design for retrofit installation)



KRASO® Type DD



KRASO® Type DD/T
(split design for retrofit installation)



KRASO® Type VD

class 1 + 2

Type / Item	KRASO® Type ED • KRASO® Type DD • KRASO® Type VD • KRASO® Type ED - split - • KRASO® Type DD - split -									
Core drilling / bore/core/duct casing in mm (from - to)	80 (79 - 83)	100 (99 - 103)	125 (124 - 128)	150 (149 - 153)	200 (198 - 203)	250 (248 - 253)	300 (298 - 303)	350 (348 - 353)	400 (398 - 403)	500 (497 - 503)
Cable or Pipe O/D (from - to)	25 (20 - 26)	32 (29 - 35)	63 (58 - 64)	75 (70 - 76)	110 (105 - 111)	160 (156 - 162)	200 (196 - 202)	200 (196 - 202)	273 (269 - 275)	400 (397 - 402)
	32 (29 - 35)	43 (38 - 44)	75 (72 - 78)	80 (75 - 81)	114 (113 - 119)	170 (165 - 171)	210 (206 - 212)	210 (206 - 212)	280 (276 - 282)	429 (426 - 431)
	43 (38 - 44)	50 (45 - 51)	80 (75 - 81)	90 (85 - 91)	125 (120 - 126)	180 (176 - 182)	219 (215 - 221)	219 (215 - 221)	315 (311 - 317)	450 (447 - 452)
		63 (58 - 64)		110 (105 - 111)	135 (130 - 136)	200 (196 - 202)	225 (221 - 227)	225 (221 - 227)	326 (322 - 328)	
					140 (135 - 141)	210 (206 - 212)	250 (246 - 252)	250 (246 - 252)		
					160 (155 - 161)			273 (269 - 275)		
								280 (276 - 282)		

Other diameters available as special sealing insert! All sealing inserts available in V4A at an additional charge!



Ribbed Ducts & Pre-Insulated District Heating Pipes

The Kraso Type GR is for sealing ribbed ducting & pre-insulated pipes within boreholes and ducted networks resisting up to 2 bar of pressure. This sealing system comprises a complete un-welded plate and comes as a solid unit or split for pipes already installed.

- + For Core/Bore holes & Ducting
- + Fully customisable
- + Can be installed with existing cables or pipes in place
- + Up to 2.0 Bar pressure resistant (20 meters of water)
- + Patented torque nut - NO torque wrench required
- + Gas and odour-tight - high-quality in terms of TA-Air!
- + Radon tightness IAF tested - meets the requirements for radon precautionary areas according to FHRK leaflet MB 101!
- + Flexibility in movement: Withstands upto 8 degrees of deviation and axial movement



KRASO® Type DD/GR
ribbed media pipes



KRASO® Type VD/GR
ribbed media pipes

Type / Item	KRASO® Type DD/GR • KRASO® Type VD/GR								
Core drilling / casing in mm (from - to)	100 (99 - 103)	125 (124 - 128)	150 (149 - 153)	200 (198 - 203)	250 (248 - 253)	300 (298 - 303)	350 (348 - 353)	400 (398 - 403)	500 (497 - 503)
max. external diameter pipe or cable from ... to ... in mm	0 - 75	0 - 100	0 - 125	0 - 175	0 - 225 ¹	0 - 275 ¹	0 - 325 ¹	0 - 375 ¹	0 - 475 ¹

¹ From 200 mm external diameter of pipe or cable: KRASO® Sealing Insert Type DD/GR with 60 mm seal

Further sizes and diameters available on request! All sealing inserts available in V4A for an additional charge!

KRASO® Blank / Empty Mechanical Duct Sealing System

KRASO®
Sealing Insert
Type Blind ED + DD + VD
from DN 250 with inner core
to distribute the pressure:

- less installation weight
- easy installation
- perfect pressure distribution



KRASO® Type Blind DD 250



KRASO® Type Blind VD 250



KRASO® Type Blind ED 250



KRASO® Type Blind ED
Up to 1.0 bar gas & water resistance



KRASO® Type Blind DD
Up to 3.0 bar gas & water resistance



KRASO® Type Blind VD
Up to 8.0 bar gas & water resistance

1
bar

3
bar

8
bar

WU
1+2

TA
-
Air

FHRK
QUALITY

FHRK
RADONDICHT

KRASO®
DKM

EDELSTAHL®
Rost
frei

KRASO® Sealing Insert Type Blind ED + DD + VD **LG 1**

The Kraso Blank Mechanical Duct Seal, also known as the Blind Duct Seal or Empty Duct Seal, is engineered to seal empty ducts containing no cables or pipes, offering a versatile and reusable option for your network. When the duct is required for use, the seal can be easily removed and applied elsewhere in the network to secure another empty duct, providing flexibility and efficiency.

Type / Item	KRASO® Type Blind ED • KRASO® Type Blind DD • KRASO® Type Blind VD									
Core drilling / casing in mm (from - to)	80 (79 - 83)	100 (99 - 103)	125 (124 - 128)	150 (149 - 153)	200 (198 - 203)	250 (248 - 253)	300 (298 - 303)	350 (348 - 353)	400 (398 - 403)	500 (497 - 503)

Further diameters available on request! All sealing inserts available in V4A for an additional charge!

KRASO® Accessories



KRASO® Circular Split Frame

Kraso Circular Split Transit Frames accommodate both compound and mechanical duct-sealing systems. Because each frame is supplied in two bolted halves, along with an EPDM rubber gasket, it can be installed around cables or pipes that are already in place and terminated, creating a precise aperture ready for sealing.

Type / Item	KRASO® Flange Plate non-corrosive stainless steel V2A						
Internal Diameter ID tubular sleeve	80	100	125	150	200	250	300
Protrusion in mm	80	80	80	80	80	80	80
Plate size in mm	d = 240	d = 260	d = 290	d = 310	d = 360	d = 410	d = 460



KRASO® Plastic Flange Plate Type KFP - split - A proven solution reinvented

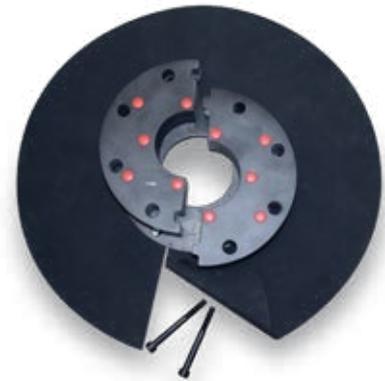
The Kraso Type KFP is a well-designed, proven solution, providing a watertight splittable frame for Kraso's sealing inserts to be used in front of boreholes on waterproof concrete. This solution is a get-out-of-jail product for penetrations that haven't been adequately cored, creating an irregularly shaped penetration. Combined with a Kraso sealing insert, this system will provide up to 3.0 bar pressure resistance.

The KFP Split support frame – from Kraso, Germany, is made from a solid secret formulation of special plastic that is easier to handle than metal frames.

Using Kraso's split frame can provide a water & gas-tight seal to a penetration/borehole containing cables or pipes installed in poorly prepared penetrations which don't allow for an off-the-shelf sealing solution.

The KFP splittable frames come in various sizes from 80mm to 300mm, with the option of an extended rubber flange to increase the size of the overall seal.

- + Splittable - Can be installed around cables already in place
- + Robust, specially formulated plastic
- + Once installed, it resists up to 3.0 bar of pressure (30 meters)



KRASO® Plastic Flange Plate
Type KFP - Foil Flange - split -

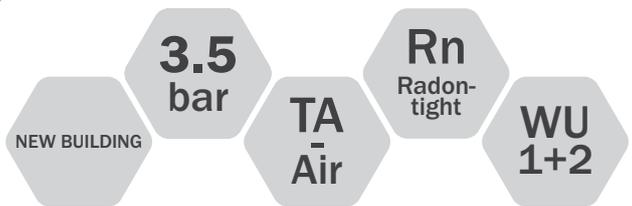
KRASO® Plastic Flange Plate Type KFP - split - **LG 1**

for installation of pipes or cables using a sealing insert (not included in the scope of supply),
ID = InternalDiameter | DafStB waterproof concrete guideline: stress class 1 + 2,
with foil flange DIN 18533 W1 -E and W2.1 -E

Type / Item	KRASO® Type KFP - split - • KRASO® Type KFP - Foil Flange - split						
InternalDiameter ID	80	100	125	150	200	250	300
max. external diameter pipe or cable from ... to ... in mm	0 - 55	0 - 75	0 - 100	0 - 125	0 - 175	0 - 225	0 - 275
Plate size approx. in mm	d = 240	d = 260	d = 285	d = 310	d = 360	d = 410	d = 460

Scope of supply: KRASO® Plastic Flange Plate Type KFP - split - or KRASO® Plastic Flange Plate Type KFP - Foil Flange - split -, EPDM flat seal to the component and fixing material, adhesive and sealant KRASO® PU 50

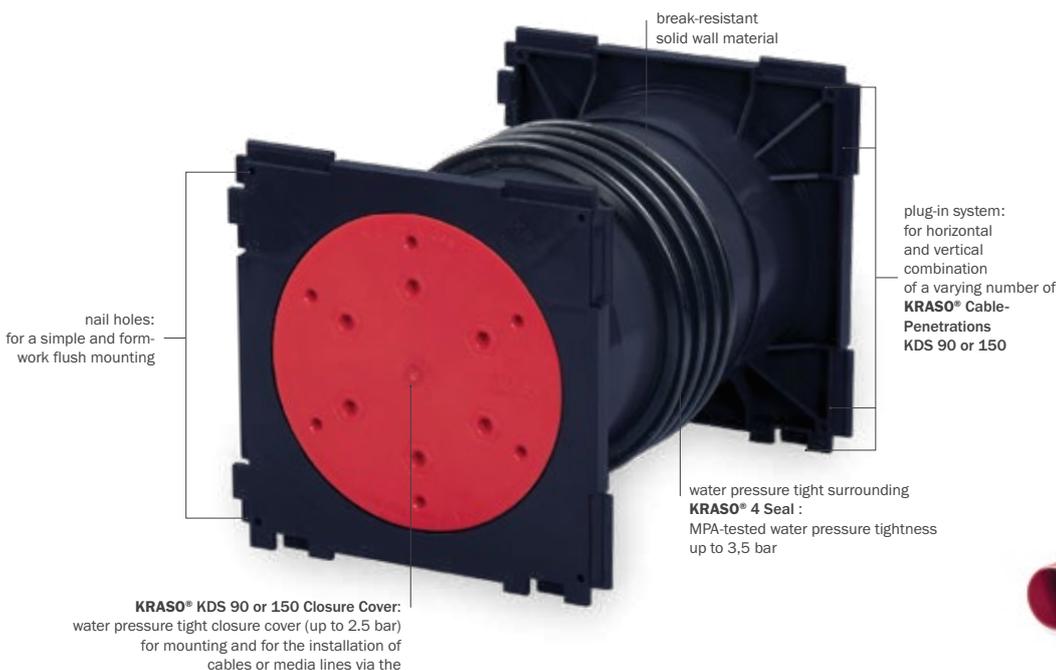
Further sizes and diameters available on request!



KRASO® Cable Penetration KDS

Compatible, tight, secure – the cable penetration double sealing system

- + Compatible with all other current systems! Water tight due to our water pressure KRASO® 4 Seal! Secure due to break-resistant solid wall material!
- + The intelligent, all-purpose and flexible cable penetration system for complex new buildings: public buildings, hospitals, technical-scientific institutions or in the industrial and commercial sector.
- + Horizontal and vertical combination possible, installation at an angle of 45° with pre-installed clamps possible, also available for precast walls or as integration into the sealing of larger areas.
- + The matching accessories for every purpose!
- + DafStB waterproof concrete guideline: stress class 1 + 2



plug-in system: for horizontal and vertical combination of a varying number of KRASO® Cable-Penetrations KDS 90 or 150



KRASO® System Covers or Sealing Inserts KDS

NEW BUILDING

3.5 bar

TA Air

Rn Radon-tight

WU 1+2



KRASO® Spacer 40 mm for KDS 150 double wall penetration for the enlargement of the centre distance from 210 mm to 250 mm



KRASO® Cable Penetration KDS double wall penetration

The Kraso KDS Cast-In Double-sided Cable Entry Sealing System offers a seamless solution for gas and watertight cable entries cast directly into concrete walls and floor slabs. Available in two sizes, 90mm and 150/160mm in diameter, our KDS system is engineered to ensure a precise, secure, and pressure-tight fit for both pipe and cable sealing elements.

Optional accessory: KRASO® 40 mm spacer for the KDS 150 double-wall penetration, increasing the centre distance from 210 mm to 250 mm. Conforms to the DafStB waterproof concrete guideline, stress classes 1 and 2.

Type / Item	KRASO® KDS double wall penetration											
Available standard wall thicknesses in cm	12	15	17,5	20	24	25	30	35	36,5	40	45	50
KRASO® KDS 90 & 150 double wall penetration Surcharge per penetration: KRASO® Spacer 40 mm for KDS 150 double wall penetration												

Scope of supply: KRASO® Cable Penetration KDS 90 or 150 double wall penetration, 2 KDS Closure Covers • Optionally available: KRASO® Spacer 40 mm for KDS 150 double wall penetration, factory-assembled

Further wall thicknesses available on request!

NEW BUILDING

3.5 bar

TA Air

Rn Radon-tight

WU 1+2



KRASO® Spacer 40 mm for KDS 150 double wall penetration for the enlargement of the centre distance from 210 mm to 250 mm



KRASO® Cable Penetration KDS single wall penetration

The Kraso KDS Cast-In Single sided Cable Entry Sealing System offers a seamless solution for gas and watertight cable entries cast directly into concrete walls and floor slabs. Available in two sizes, 90mm and 150/160mm in diameter, our KDS system is engineered to ensure a precise, secure, and pressure-tight fit for both pipe and cable sealing elements.

Optional accessory: KRASO® 40 mm spacer for the KDS 150 single-wall penetration, increasing the centre distance from 210 mm to 250 mm. Conforms to the DafStB waterproof concrete guideline, stress classes 1 and 2.

Type / Item	KRASO® KDS single wall penetration													
Available standard wall thicknesses in cm	6 ^{1,2}	7 ²	10 ²	15	17,5	20	24	25	30	35	36,5	40	45	50
KRASO® KDS 90 & 150 single wall penetration Surcharge per penetration: KRASO® Spacer 40 mm for KDS 150 single wall penetration														

¹ only for KRASO® Cable Penetration KDS 90 single wall penetration, ² for technical production reasons partly KRASO® 2 Seal

Scope of supply: KRASO® Cable Penetration KDS 90 or 150 single wall penetration, KDS closure cover, KRASO® Cover as an installation aid • Optionally available: KRASO® Spacer 40 mm for KDS 150 single wall penetration, factory-assembled

Further wall thicknesses available on request!

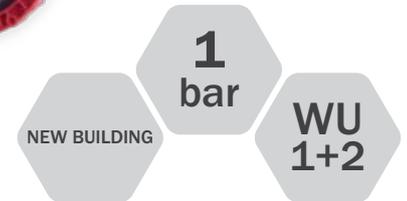


KRASO® System Cover KDS 150 with hose adapter

The KRASO System Duct Adaptor is the perfect solution for quickly and easily connecting ducts to the KDS 150 Cable Entry Sealing System. Designed to ensure a seamless connection, this adaptor effortlessly links ducts ranging from 100mm to 165mm to the KDS 150 system, delivering a reliable water-tight seal up to 2.5 bar—ideal for new build construction projects. Scope of application as per table below| DafStB waterproof concrete guideline: stress class 1 + 2.

Type / Item	hose adapter 110	hose adapter 160
Scope of application in mm	100 - 115	150 - 165

Scope of supply: KRASO® System Cover 150 with hose adapter



KRASO® System Cover KDS 150-heat-shrink technology

The KRASO KDS Heatshrink sealing connections – provides secure and water & gas tight cable and pipe entries in new construction projects. Designed with advanced heat-shrink technology, the KRASO KDS systems protects your building against water and gas ingress, providing long-lasting durability and reliability.

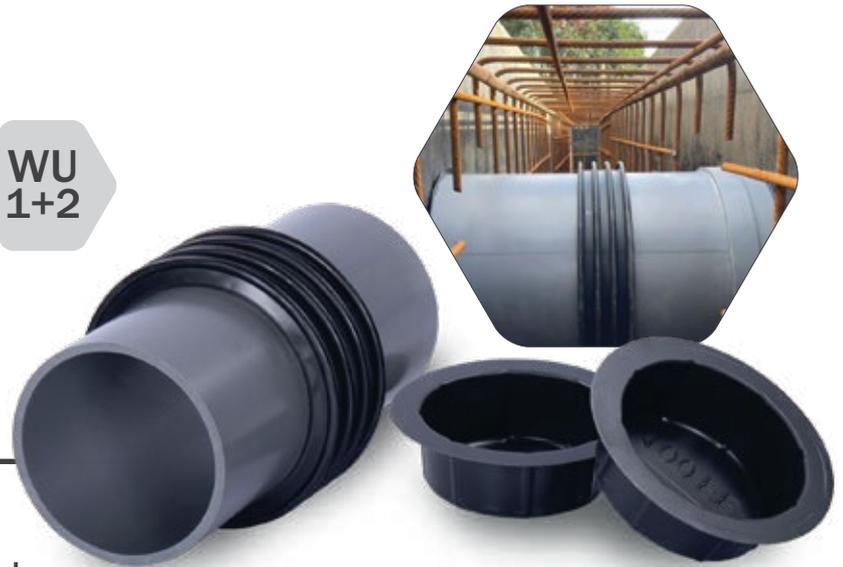
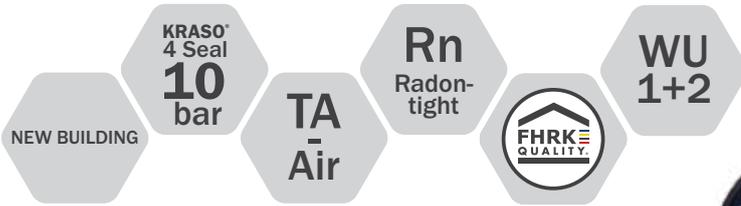
Versatile Port Options: The KDS system offers three port configurations to suit various project needs:

Type / Item	System Cover KDS 150 1-fold - heat-shrink technology -	System Cover KDS 150 3-fold - heat-shrink technology -	System Cover KDS 150 7-fold - heat-shrink technology -
diameter pipe or cable from ... to ... in mm	1 x 34 - 101	3 x 22 - 59	7 x 13 - 33

Scope of supply: KRASO® System Cover KDS 150 - heat-shrink technology - 1-fold, 3-fold, 7-fold with shrink hose/shrink hoses

Further diameters on request!

Each port is delivered fully sealed with watertight covers. These covers can be easily knocked out with a hammer when ready for use, allowing for quick and efficient installation.



KRASO® Type FE Cast-in Sleeve for Concrete

Kraso's high-performance wall entry sleeves are designed for large-scale construction projects. They provide secure and efficient pathways for installing cables and pipes through concrete walls. Crafted from high-impact PVC plastic, these sleeves offer exceptional pressure resistance, making them ideal for demanding construction environments where reliability and durability are crucial.



- + KRASO® 4 Seal – MPA-tested up to 10 bar, gas- and odour-tight in compliance with TA-Air standards!
- + IAF-tested: radon-tight!
- + Tested in accordance with FHRK test specification GE 102
- + Robust construction: made from weatherproof, impact-resistant plastic. KRASO® 4 Seal is monolithically bonded to the plastic pipe by vulcanisation.
- + Flexible sizing: all diameters and wall thicknesses are available at short notice. If necessary, dimensions can be adapted on site!
- + Low weight: easy handling, straightforward installation, and lower transport costs.
- + Installation covers included: no pre-treatment required!
- + Compliance: meets DafStB waterproof concrete guidelines (stress classes 1 and 2).



KRASO® Casing Type FE/MI with fixed claw

KRASO® Casing Type FE - true diameter casing ·

KRASO® Casing Type FE/MI - true diameter casing with inner core **LG1**

recess for retrofit installation of cables or pipes using a sealing insert (not included in the scope of supply)
 · plastic - true diameter casing with reinforced inner core, with eyelets, shear key and enclosed fixed claw as an installation aid, ID = InternalDiameter true diameter casing | DafStB waterproof concrete guideline: stress class 1 + 2

Type / Item	KRASO® Casing Type FE							KRASO® Casing Type FE/MI								
InternalDiameter in mm	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
Available standard wall thicknesses in cm	20 · 24 · 25 · 30 · 35 · 36,5 · 40 · 45 · 50															
Available standard wall thicknesses in cm	60 · 70 · 80 · 90 · 100															

Scope of supply: **KRASO®** Casing Type FE, 2 **KRASO®** Covers as an installation aid • **KRASO®** Casing Type FE/MI, fixed claw as an installation aid

Further diameters and wall thicknesses available on request!



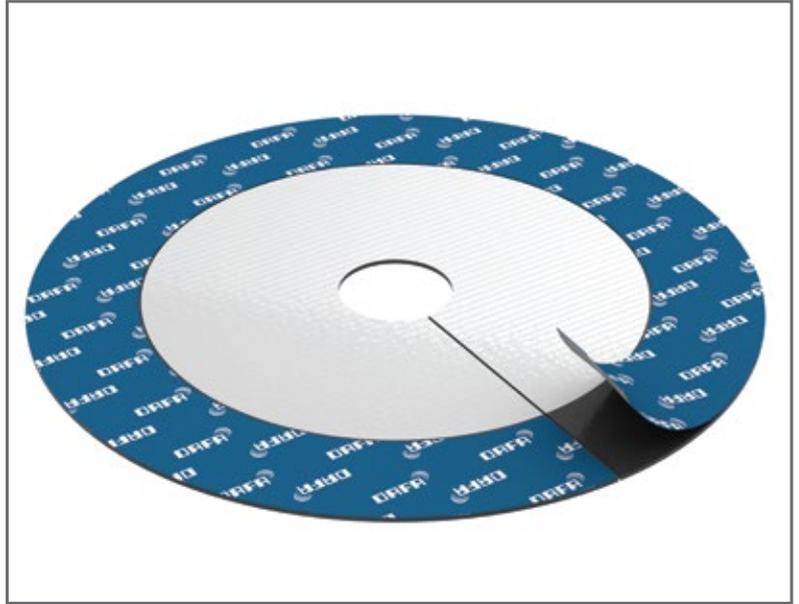
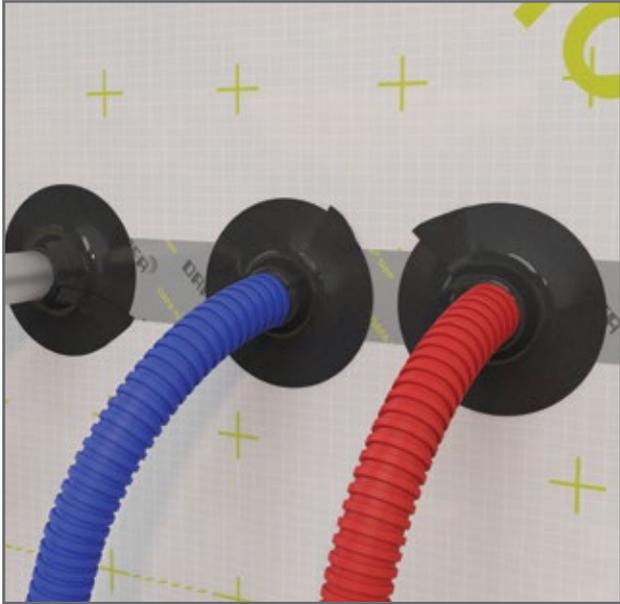
Durable sealings to withstand hard conditions

With more than 85 years' experience, DAFA understands what matters to you. Our sealing solutions close gaps and crevices, compensate for irregularities, and secure structures, joints and transitions. They stop water, air, moisture, salt and sand from getting in, while insulating heat from cold, keeping noise out, and separating inside from outside.

DAFA offers gaskets, sealing strips, Formed-in-Place Foamed Gaskets and profiles—products engineered to withstand stress, enhance safety and boost the performance of the assemblies they form part of.



Scan to view all products



DAFA Renovation Grommet – Airtight Sealing for Passivhaus & Passive House Projects

The DAFA Renovation Grommet is a premium, airtight sealing solution designed to maintain the integrity of your building's envelope. Ideal for Passivhaus and Passive House projects, this innovative retrofit grommet ensures an airtight seal around cables & pipes, preventing unwanted draughts and heat loss in both residential and commercial properties.

Crafted for use when it's not possible to slide a traditional grommet over disconnected pipe or cable ends, the DAFA Renovation Grommet easily adapts to existing pipe and cable penetrations. This ensures robust protection against air leaks while improving overall energy efficiency. Comparable to leading products the DAFA Renovation Grommet stands out for its reliability, durability, and ease of installation.

Why Choose DAFA Renovation Grommets for Airtight Sealing?

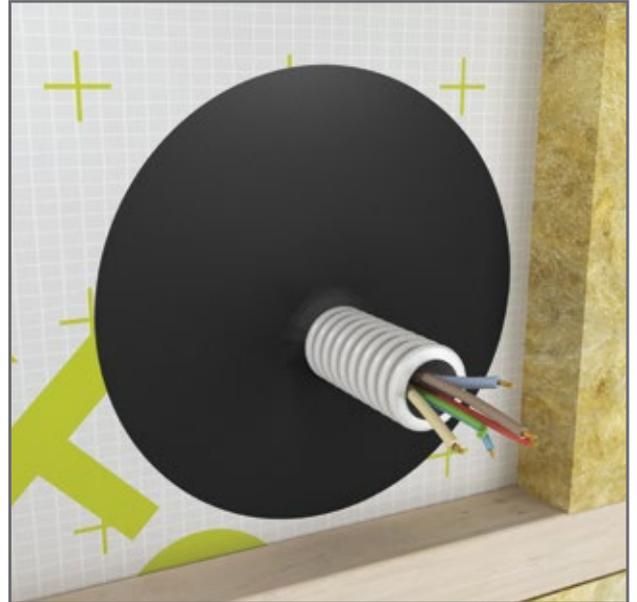
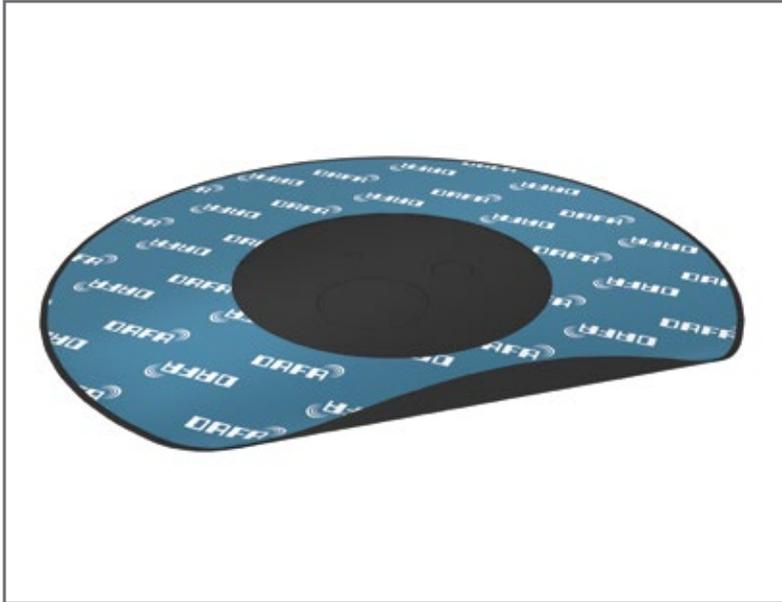
- **Passivhaus-Ready:** Compliant with the stringent standards of Passivhaus and Passive House building practices.
- **Airtight Performance:** Eliminates gaps around cables and pipes, ensuring airtight sealing to minimise heat loss and prevent draughts.
- **Versatile Application:** Suitable for internal and external roofs, walls, and floors, and adheres to a wide range of substrates including timber, plywood, metal, plastic, and various membranes.
- **Retrofit-Friendly:** The split design allows installation without removing or disconnecting existing pipes and cables, saving time and labour.

KEY FEATURES

- **Self-Vulcanising/Amalgamating:** Securely bonds to substrates with no need for additional sealants or adhesives.
- **Extremely Stretchable & Durable:** Accommodates pipes and cables up to 180mm in diameter, maintaining a reliable seal despite expansion or movement.
- **UV-Resistant & Weatherproof:** Built to withstand challenging conditions for long-term durability.
- **Energy-Saving:** Preserves airtightness to help reduce heating costs and lower carbon footprint.

Grommet Size Ø	Starting Hole Ø	Suitable Pipe/Cable Ø	DAFA Part No.	EAN No.
115mm	4mm	5-30mm	620046279	5705636532899
160mm	25mm	30-80mm	620046277	5705636532875
250mm	75mm	80-140mm	620046278	5705636532882
300mm	130mm	140-80mm	620047766	5705636535944

DAFA TriFlex Airtight Grommet 115



DAFA TriFlex Airtight Grommet 115 | Passive House Cable & Pipe Sealing

The DAFA TriFlex Airtight Grommet 115 is the tradesman's favourite for airtight sealing of cable and pipe penetrations. Ideal for energy-efficient construction and passive houses, this grommet ensures the building envelope remains intact and compliant with UK building regulations for energy performance.

Proper sealing during installation is key to an airtight layer and no air leaks. The DAFA TriFlex Airtight Grommet 115 performs well on various substrates, including concrete, timber, and membranes, offering excellent adhesion and moisture resistance. This solution enhances insulation, reduces heating costs, and ensures long-term sustainability for your project.

Enhance Your Energy Savings

By ensuring truly airtight cable sealing during the initial installation, the DAFA Universal Cable Grommet 115mm not only meets regulatory requirements but also boosts the energy performance of the entire building. Professionals across the UK choose DAFA for reliable, proven results that contribute to a reduced carbon footprint and a healthier indoor environment.

Uses

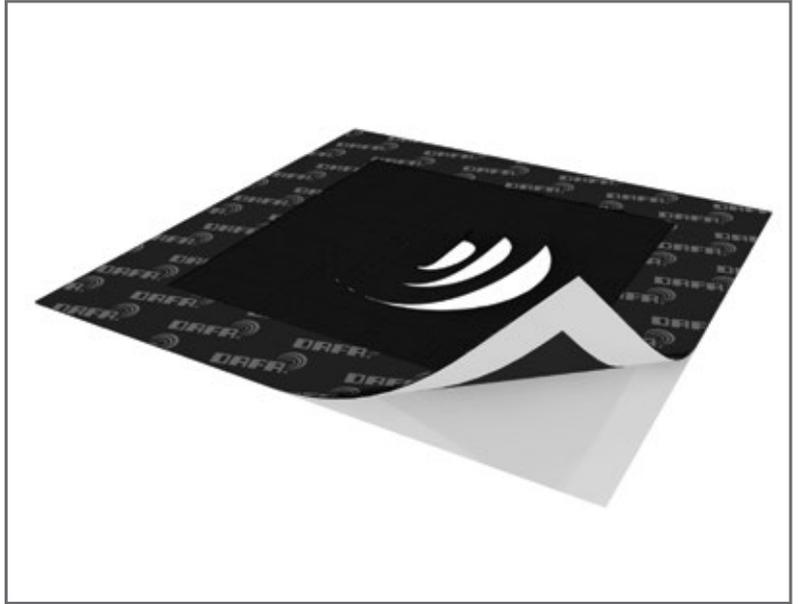
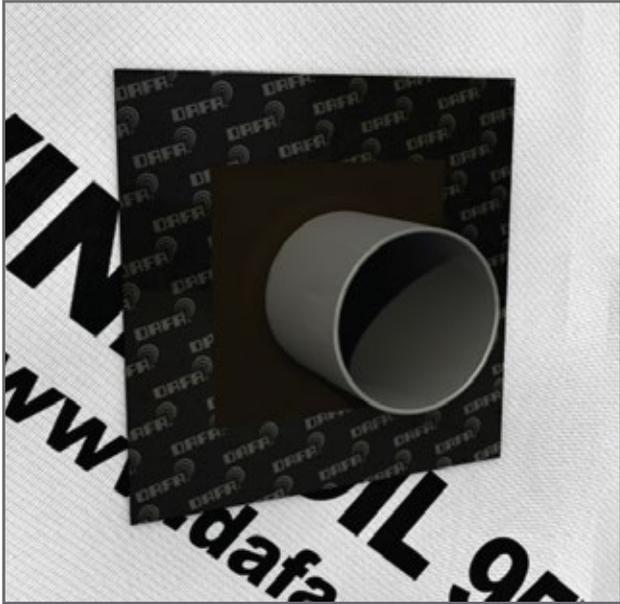
- New build residential and commercial projects.
- Retrofit projects requiring airtight sealing for unconnected cable and pipe installations.
- Passive house and energy efficiency projects.
- Application on walls, roofs, and floors for airtight performance.

KEY FEATURES

- **Universal:** Fits multiple cable and pipe diameters.
- **Airtight:** Stops air leaks, reduces heat loss, improves energy efficiency.
- **Pre-termination:** Fits before cables or pipes are terminated, ideal for new build projects.
- **Durable:** Made from rubber to withstand moisture, UV, and temperature variations.
- **Compliance:** Meets UK airtightness regulations for sustainable and energy-efficient buildings.

Pre-Punched Marking	Diameter Ø	Suitable Pipe/Cable Ø
1	3mm	7-10mm cables
2	7mm	10-22mm cables
3	18mm	22-35mm cables/flex pipes

DAFA Airtight Universal Pipe Grommet



DAFA Universal Pipe Grommet – Airtight Sealing for New Builds

The DAFA Universal Pipe Grommet is a patented, high-performance solution for airtight pipe penetrations in new build projects. Part of the DAFA AirStop System, this grommet seals directly onto the vapour barrier, providing a proper seal to prevent air leakage, ensuring thermal efficiency and airtight construction. It meets UK building regulations and Passive House standards, making it an essential component for energy-efficient homes.

Enhance Your Energy Savings

Installing the DAFA Universal Pipe Collar ensures airtight pipe penetrations from day one. By eliminating air leaks, you reduce heat loss and improve overall building performance. Over time, these energy savings translate into lower utility costs, reduced environmental impact, and a more comfortable indoor climate.

Applications

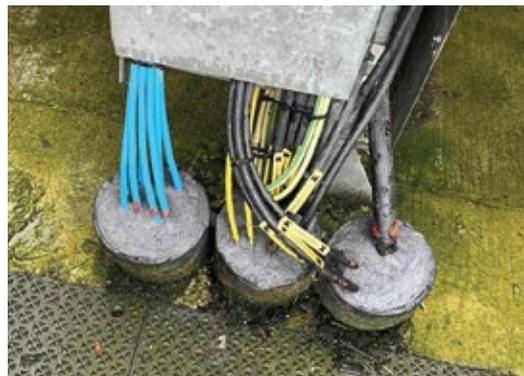
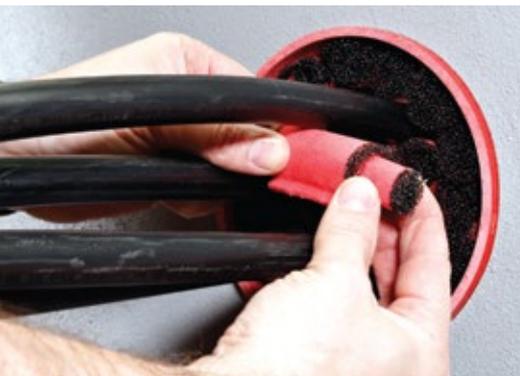
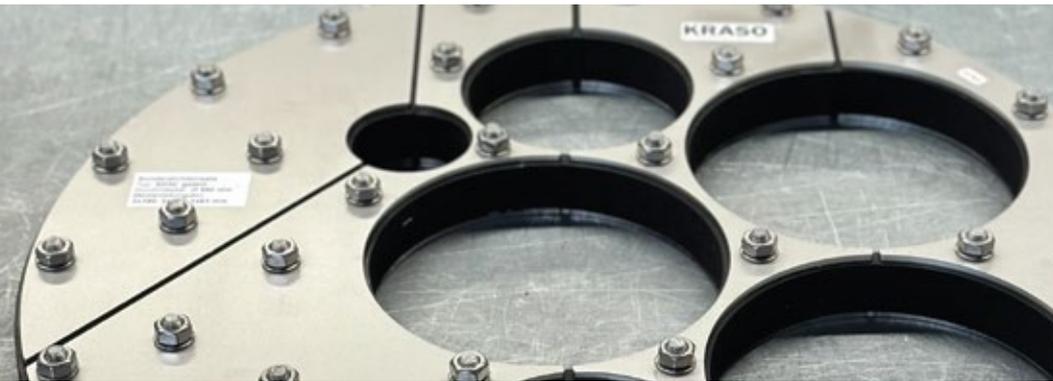
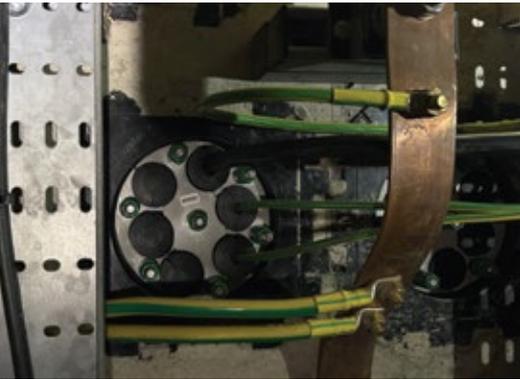
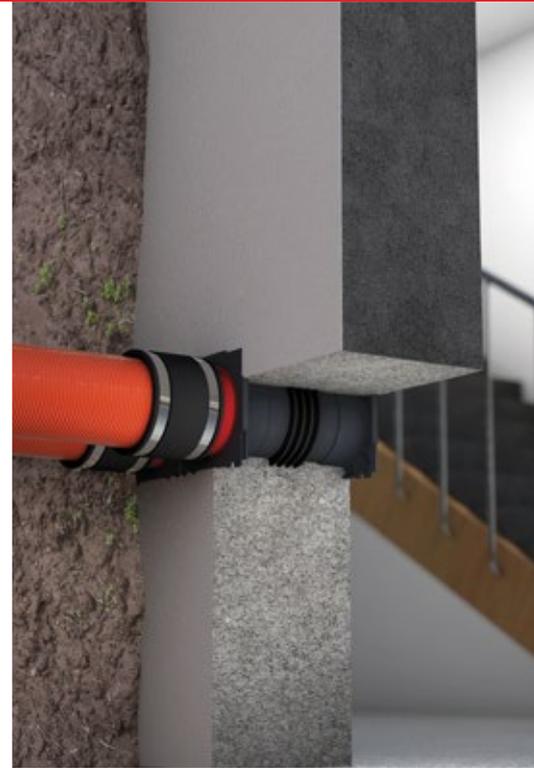
- Residential and commercial new builds for airtight and energy-efficient projects.
- Vapour barrier grommets for continuous airtightness in walls, floors, and roofs.
- Mechanical ventilation systems to eliminate uncontrolled air movement.
- Sealing gaps around windows, doors, and other structural openings.

KEY FEATURES

- **Universal Fit:** One flexible gasket fits all common pipe sizes and ducts, simplifying product selection.
- **Airtight Seal:** Prevents air leakage and improves thermal comfort and energy efficiency.
- **Easy Installation:** Attaches to the vapour barrier without tools, sealants, or adhesives, saving time and effort.
- **Durable:** Made from EPDM rubber with strong acrylic adhesive, designed to withstand construction site conditions.
- **Compliance:** Meets UK regulations and Passive House Institute standards for airtightness and energy efficiency.
- **Protection:** Prevents mould, pollutants, and uncontrolled air movement, ensuring better indoor air quality.

Marking No.	Type 260mm		Type 345mm		Type 520mm	
	Diameter Ø	Suitable Round Pipe Ø	Diameter Ø	Suitable Round Pipe Ø	Diameter Ø	Suitable Round Pipe Ø
1	12mm	15-25mm	12mm	15-25mm	12mm	15-25mm
2	25mm	40-60mm	25mm	40-60mm	25mm	40-60mm
3	45mm	60-90mm	45mm	60-90mm	45mm	60-90mm
4	70mm	90-110mm				

Installations







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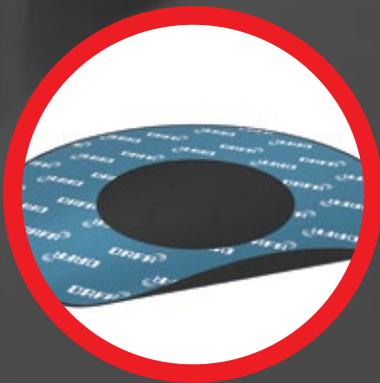
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