Rodent defence solutions

Wolf Kabeltechnik GmbH

Do the rodents like your cables ?

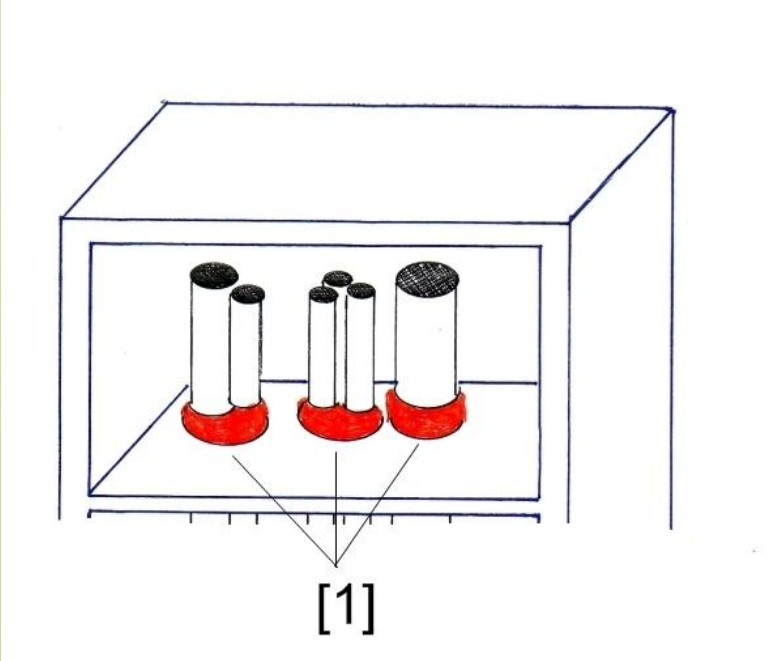
Be on the safe side and protect against rodents!

Open electrical cabinet
– not yet protected against rodents –

- Cabinets, cable racks, cable troughs can be protected using the universal NAW components:
  - Sealing compound
  - Mesh grid
  - Sealing tape
- Round or oval protective ducts or service entries can be sealed against gas diffusion and pressurized water in addition to the rodent protection by using:
  - Inflatable sealing elements
  - Sealing compound and sealing tape as final rodent protection

Application 1:

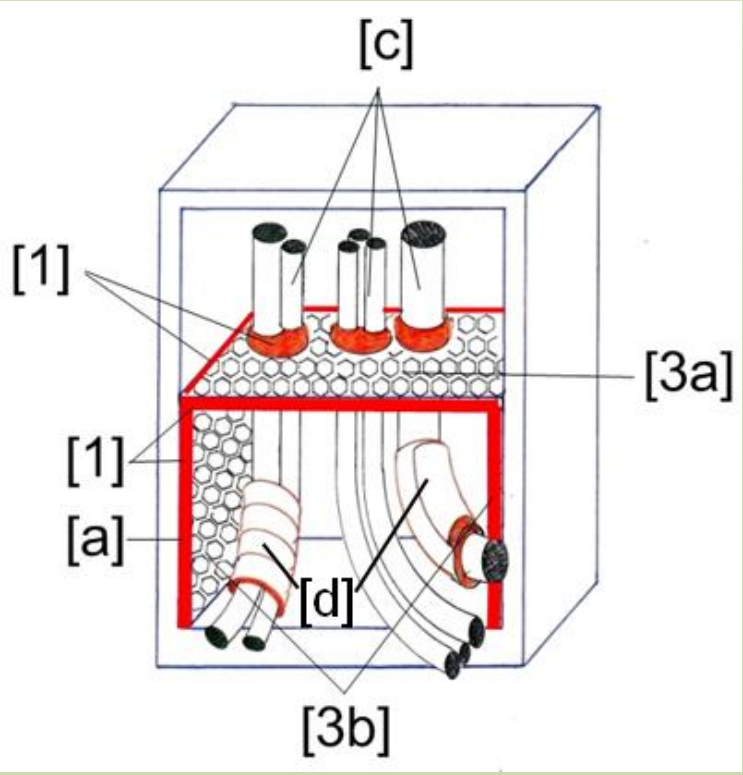
At the point where the cables are fixed in cable racks or cable distribution cabinets



- Apply a ring of sealing compound 28 PKDM-St [1] round each cables at the point where they are fixed and press firmly.
- If cables are being added later: Remove the old sealing compound, knead it, form a new ring with it and lay it round the cable.

Application 2:

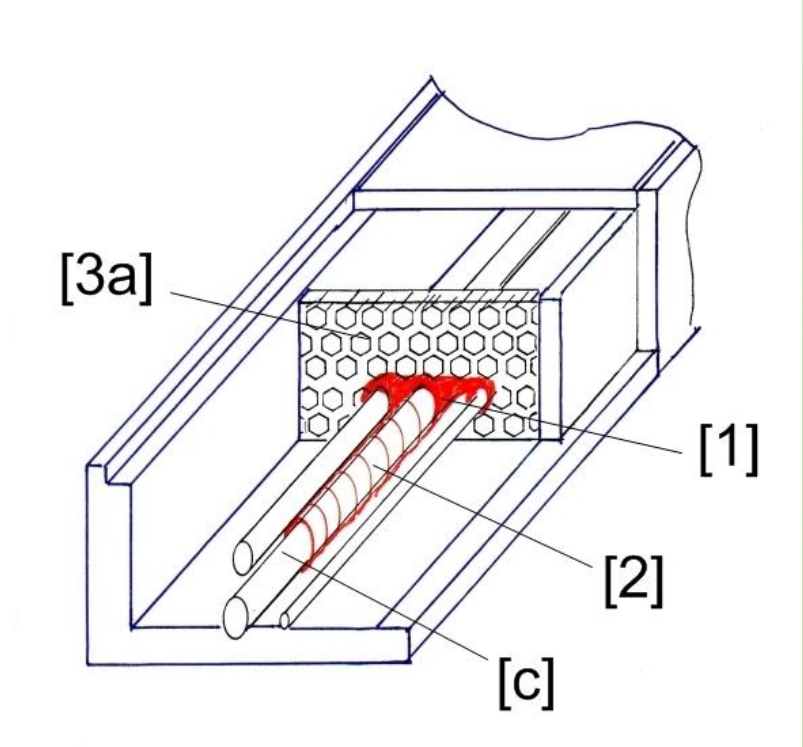
At the base area of cable racks or distribution cabinets, containers, etc.



- Cut a sealing plate [3a] to the required size out of mesh grid 31 GR-ADM and place it in the base area.
- If the height is uneven, cut extra pieces of mesh grid 31 GR-ADM to act as spacer supports [3b]. Place these at the left and right side walls under sealing plate [3a].
- Apply a 30 mm-Ø strip of sealing compound [1], 28 PKDM-ST* to the underside edges of sealing plate [3a] and place it on top of the spacer supports.
- Seal cables [c] and remaining edges of the sealing plate and spacer supports with sealing compound [1] (as in the diagram).
- Wrap sealing tape 23D2 /… round cables [d], either spirally or lengthwise and with an overlap.
- If adding cables later on:
- Remove sealing compound [1] from front surfaces [a]. Take out the spacer supports and add the extra cables. Then re-install the rodent protection as described above

Application 3:

Rectangular concrete or plastic cable troughs and service entries in buildings



- Cut a sealing plate [3a] to the required size out of mesh grid 31 GR-ADM
- Apply a 30 mm-Ø strip of sealing compound [1], Art. No. 28 PKDM-ST* to sealing plate [3a] as described for application 2. Press the sealing plate into the rectangular space.
- Seal cables [c] and front side [a] with seal-ing compound [1].
- Wrap cables [c] either spirally with sealing tape [2] 23D2 /50-10, or lengthwise and with an overlap with sealing tape Art. No. 23D2 / 100-10.

Application 4:

Rodent defence with additional sealing against gas diffusion and pressurized water for round or oval protective ducts or service entries that are configured with cables or ducts

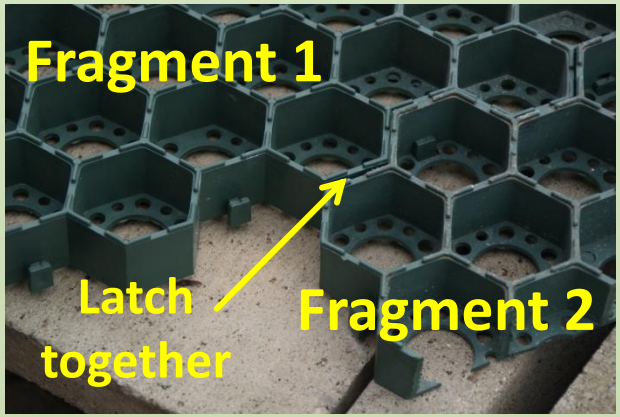
- Lay reusable sealing element 20 ADE/V (valve) or 17 UA/V (valve) round the cable and inflate it with air.
- Cover the sealing element /duct face with sealing compound [1] 23 PKDM-St, supplied in strands.
- Wrap cables [c] spirally with sealing tape [2] 23D2 /50-10, or lengthwise and with an overlap with sealing tape 23D2 / 100-10.

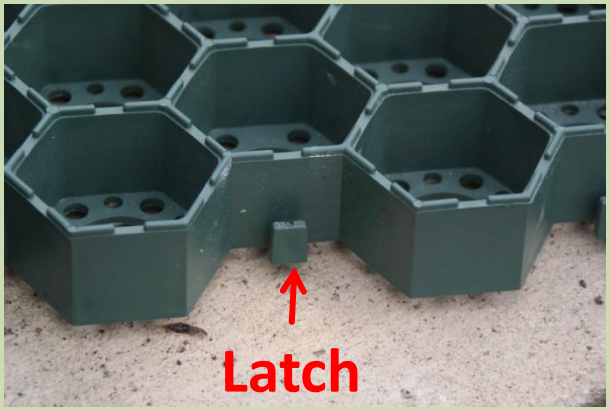
Permanently elastic sealing compound

- A permanently elastic sealing compound, made of a technically manufactured petrolatum-Vaseline mixture modified with a filling material of cork granulate.
- Supplied in strands, can be used in a cold state.
- Resistant to temperatures of -90°C to +70 °C.
- The compound will not leak out even in cases of vertical or cavity application in cable racks or cable distribution cabinets at temperatures up to +70 °C

Part No.	Decription	Strand Dimensions Ø x L		Packing Units
		[mm]	[inch]	[Stück/Unit]
28 PKDM-STØ 19/ 20	PKDM Petrolatum-cork sealing compound strand	19 x 300	0,75 x 11,8	20
28 PKDM-STØ 27/ 7	PKDM Petrolatum-cork sealing compound strand	27 x 300	1,06 x 11,8	7

Grid mesh for sealing compounds





- Grid mesh made of recycled HDPE/ PP, with hooks and eyes. The easy, economical way to apply the permanently elastic sealing compounds
- The grid mesh can easily be cut to the size required for sealing areas with a jigsaw, hand saw or angle grinder.
- Grid mesh dimensions (64 x 33 x 3.8) cm (25 x 13 x 1,5) inch.

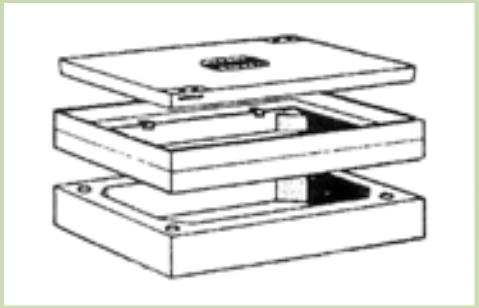
Demo example of mesh grid and sealing compound

Back side view

Front side view

Network Protection against water, gas and rodents

- (1)Sealing Systems: Reusable, flexible & CO2 neutral inflatable sealing elements (ADE/V & UA/V)
- (3) Rodent Protection: Petrolatum-cork sealing compound (PKDM)
- (2) Anti-corrosion: Permanently elastic sealing petrolatum tape (PAB)



Permanently elastic sealing tape

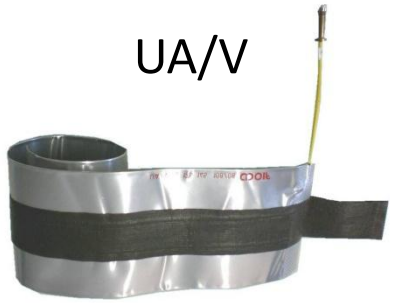
No. 23 D2/50 : 50 mm width, 10m length
No. 23 D2/100: 100 mm width, 10m length

- Permanently elastic sealing tape, 2 mm thick in widths 50 mm or 100 mm.
- Consists of a rot-proof synthetic fibre backing material coated on both sides with a petrolatum-Vaseline mixture plus stone meala nd on one side with HDPE foil.
- Resistant to temperatures from -40 °C to +70 °C

Flexible, re-usable inflatable sealing element

ADE/V

UA/V



- Sealing element for effective sealing against gas and pressurised water in vacant or occupied ducts underground.
  For temperatures from -15°C to +30°C

- Sealing element for above-ground applications e.g. in cable troughs or service entries in buildings with specially high requirements regarding temperature.
  For temperatures from -30°C to +70 °C

Note: The sealing element is not a substitute for rodent protection!

About Wolf Kabeltechnik GmbH

Founder:

Roland Wolf
Over 40 Years Experience in testing, production and standardization of cables

Foundation:
1982 Roland Wolf Kabelverschlußtechnik
1988 change company name in Wolf Kabeltechnik GmbH

01.03.2002 split into product and service organisation

Kabeltechnik GmbH

Product manufacturing / Distribution

fibre optics
CT Consulting & Testing GmbH

Dienstleistungen

Further Questions?

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