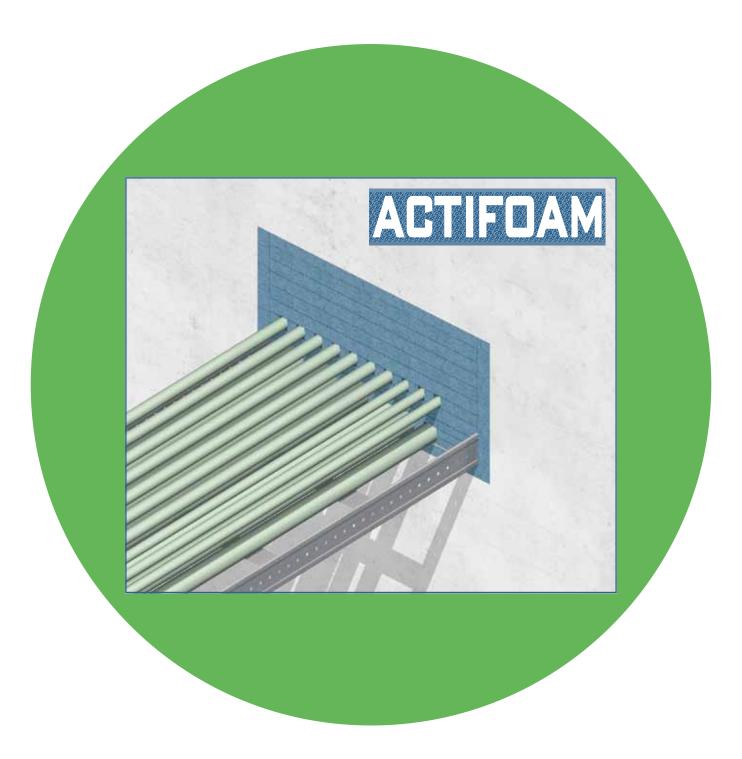
INSTALLATION INSTRUCTIONS ACTIFOAM® SEALING SYSTEM FOR MULTI-CABLE TRANSITS



TESTED ACCORDING TO EN 1366-3:2004;
FIRE RESISTANCE EI-90/E-120 ACCORDING
TO EN 13501-2:2003
CERTIFICATE 2007-EFECTIS-R0122





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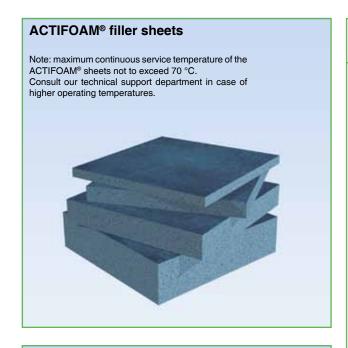
® : ACTIFIRE, ACTIFOAM, AQUASTOP, BEEBLOCK, BEELE, BEESEAL, CONDUCTON, CRUSHER, CSD,

CSD THE SIMPLE SEAL SYSTEM, DRIFIL, DYNATITE, FIRSTO, FIWA, LEAXEAL, MULTI-ALL-MIX, NOFIRNO, profiles NOFIRNO gaskets, RAPID TRANSIT SYSTEM, RIACNOF, RISE, RISWAT, \$, SLIPSIL, flanges SLIPSIL plugs, ULEPSI and YFESTOS are registered trade marks of BEELE Engineering BV.

brochure code : actifoam/installation/en/con







ACTIFOAM® slit filler sheets Note: maximum continuous service temperature of the ACTIFOAM® sheets not to exceed 70 °C. Consult our technical support department in case of higher operating temperatures.

ACTIFOAM® is used to fill any cavities or gaps in constructions. In case of fire, the cavity will be totally filled with the expanding rubber, offering a perfect fire seal for a very long duration.

Oxygen index 40% (>30% is flame retardant).

ACTIFOAM® can also be used for other sealing purposes. An advantage is that ACTIFOAM® does not absorb water. Tested at 2.5 bar water pressure during 24 hours.

Due to the closed cell structure, the rubber has good thermal insulation properties. The K value at 10 °C according to NEN-EN 12667 is 12.3 mk/W. The density of the foam rubber at 23 °C is between 0.35 and 0.4 g/cm³ in accordance with ISO 2781. Compression set of the foam rubber is 14% which stands for a good "memory". Good weathering, UV and ozone resistance. Temperature range from -15 °C to +70 °C.

The 10 mm thick sheets have 30 (60) pre-cut profiles 10x10 mm, the 15 mm thick sheets 20 (40) profiles 15x15 mm, the 20 mm thick sheets 15 (30) profiles 20x20 mm and the 25 mm thick sheets 12 (24) profiles 25x25 mm. The profiles can easily be torn off.

G SYSTEM			
ACTIFOAM® filler sheets		sheet width	article number
300x150x10		150	83.0110
300x150x15		150	83.0111
300x150x20		150	83.0112
300x150x25		150	83.0113
300x200x10	all dimensions in mm	200	83.0120
300x200x15		200	83.0121
300x200x20		200	83.0122
300x200x25		200	83.0123
300x250x10	all dim	250	83.0130
300x250x15		250	83.0131
300x250x20		250	83.0132
300x250x25		250	83.0133
600x150x10		150	83.0210
600x150x15		150	83.0211
600x150x20		150	83.0212
600x150x25		150	83.0213
600x200x10		200	83.0220
600x200x15		200	83.0221
600x200x20		200	83.0222
600x200x25		200	83.0223
600x250x10		250	83.0230
600x250x15		250	83.0231
600x250x20		250	83.0232
600x250x25		250	83.0233
500x500x10		-	83.0005
1000x500x15		-	83.0011
1000x500x20		-	83.0012
1000x500x25		-	83.0013
ACTIFOAM® slit		sheet	article
separation sheets	i	width	number
300x150x10		150	83.1110

ACTIFOAM® slit separation sheets		sheet width	article number
300x150x10		150	83.1110
300x150x15		150	83.1111
300x150x20		150	83.1112
300x150x25		150	83.1113
300x200x10	all dimensions in mm	200	83.1120
300x200x15		200	83.1121
300x200x20		200	83.1122
300x200x25		200	83.1123
300x250x10	all dim	250	83.1130
300x250x15		250	83.1131
300x250x20		250	83.1132
300x250x25		250	83.1133
600x150x10		150	83.1210
600x150x15		150	83.1211
600x150x20		150	83.1212
600x150x25		150	83.1213
600x200x10		200	83.1220
600x200x15		200	83.1221
600x200x20		200	83.1222
600x200x25		200	83.1223
600x250x10		250	83.1230
600x250x15		250	83.1231
600x250x20		250	83.1232
600x250x25		250	83.1233

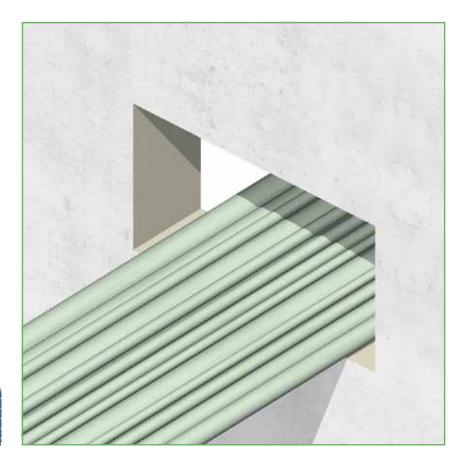
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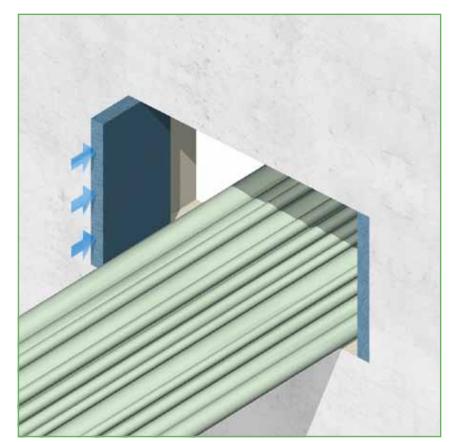
1) The cables can be ducted through the conduit opening in random order.

It is most important that they are not pulled too tight in order not to hamper their separation at a later stage.



ACTIFOAM

2) ACTIFOAM® rubber sheets are cut into strips fitting to the size of the walls inside the conduit opening. For this purpose, ACTIFOAM® sheets with a thickness of 25 mm are used.

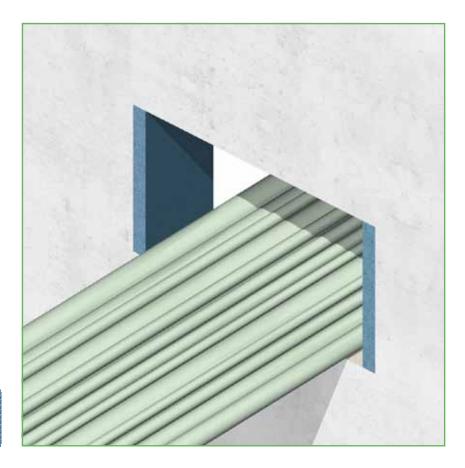






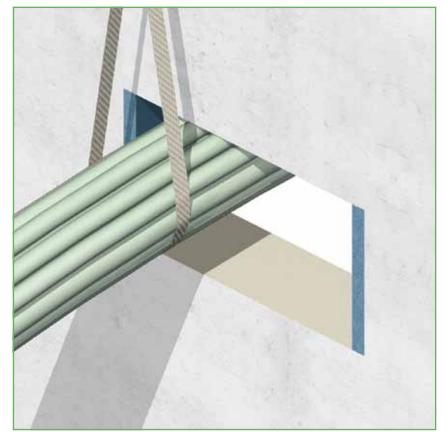


3) The ACTIFOAM® rubber sheets should fit snugly in the conduit opening to ensure a tight fit against the walls. This is important to avoid smoke penetrating between the sheets and the wall.



ACTIFOAM

4) An ACTIFOAM® rubber sheet must also be placed in the conduit opening underneath the layer of cables. A band is placed around the cable bundle to lift the bundle of cables.

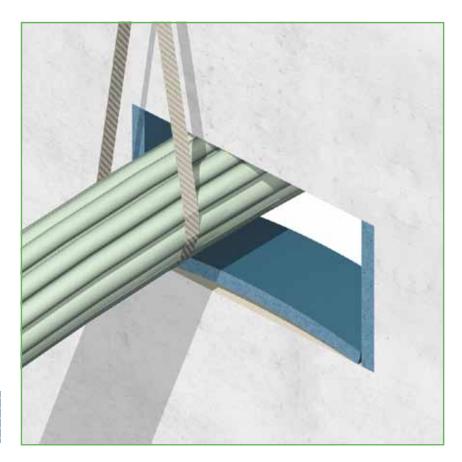








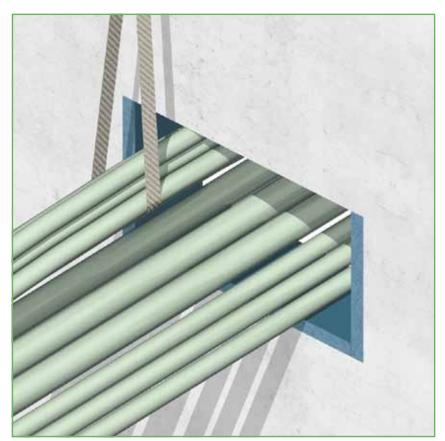
5) A slightly oversized strip of ACTIFOAM® rubber with a thickness of 25 mm is placed inside the conduit opening underneath the cables. The sheet will be compressed by the weight of the cables.



ACTIFOAM

6) One layer of cables is spread out on the ACTIFOAM® rubber sheet at the bottom of the conduit opening.

The other cables are lifted to make room for further finishing the first layer.



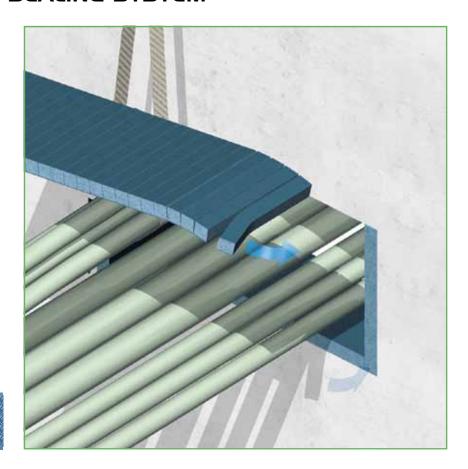






7) For proper cable separation, square profiles are torn off the pre-slit ACTIFOAM® rubber sheets.

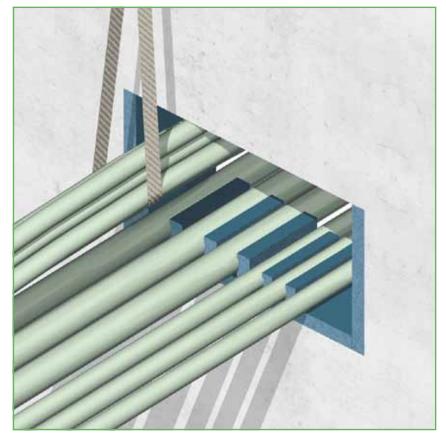
The sizes of the profiles should be equivalent to the cable diameters.



ACTIFOAM

8) Profiles are slit in sizes of 10x10, 15x15, 20x20 and 25x25 mm. This enables an easy fit for corresponding cable sizes.

Cables larger than 25 mm should be separated by a minimum of 25 mm.

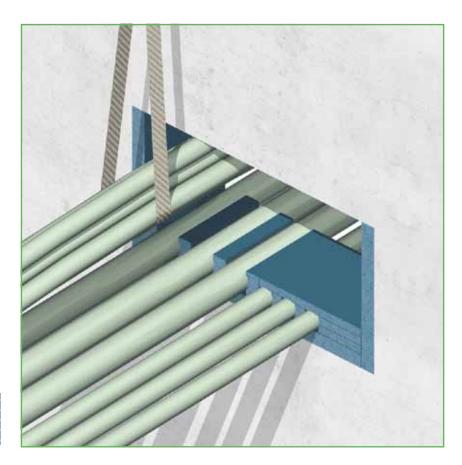






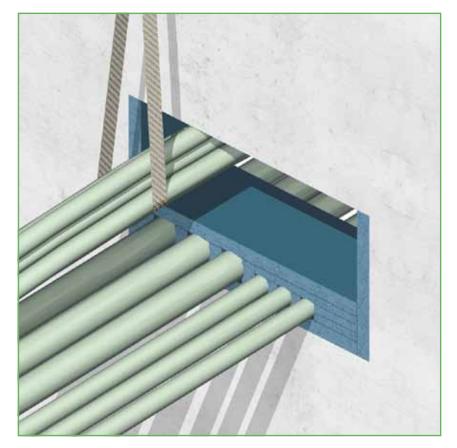


9) Adjacent to the first layer of cables and profiles, one or more extra sheets of ACTIFOAM® rubber is fitted to create a level layer for further filling the conduit opening.



ACTIFOAM

10) An intermediate ACTIFOAM® rubber sheet is inserted in the conduit opening on top of the levelled first layer. The thickness of the intermediate layer is dependent on the maximum cable diameter.

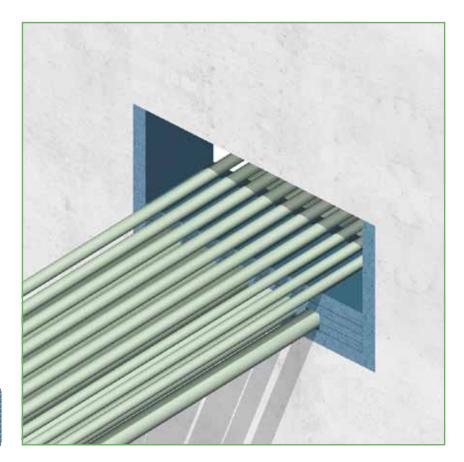








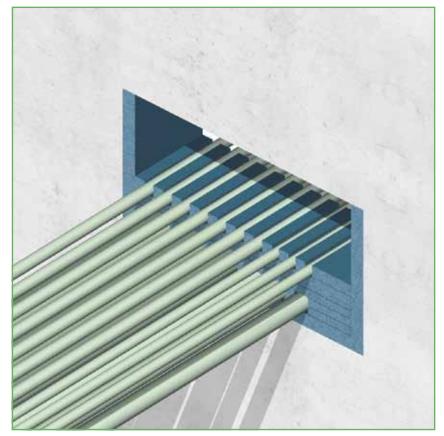
11) The next layer of cables is spread out on the ACTIFOAM® intermediate rubber sheet. As indicated before, the cables should not be pulled too tight to enable this.



ACTIFOAM

12) In the same way as with the first layer of cables, the cables are separated with the ACTIFOAM® pre-slit profiles and levelled with one or more ACTIFOAM® sheets.

Take care for a tight fit.

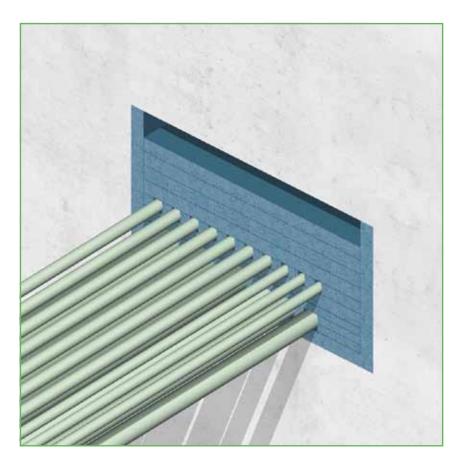






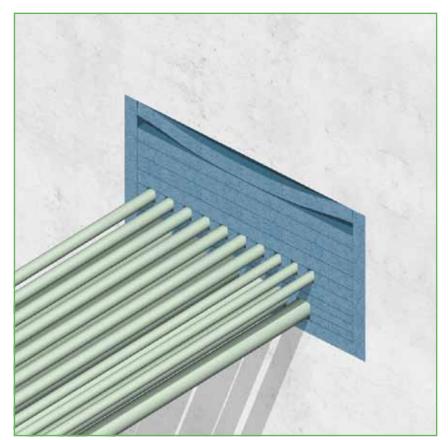


13) The remaining space is filled with one or more ACTIFOAM® sheets. All sheets should fit tightly in the conduit opening to obtain a fair degree of smoke tightness.



ACTIFOAM

14) Due to better sliding of greased rubber on rubber, for final finishing an ACTIFOAM® sheet must be inserted between the top layers of ACTIFOAM® sheets.

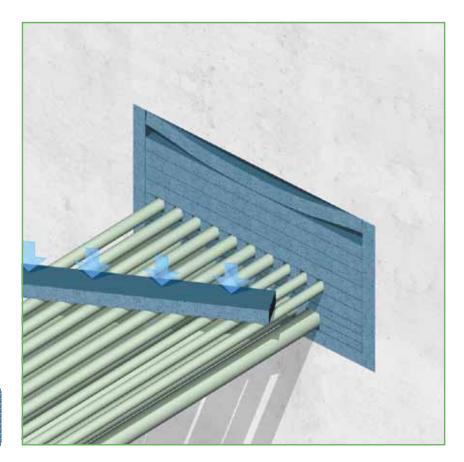






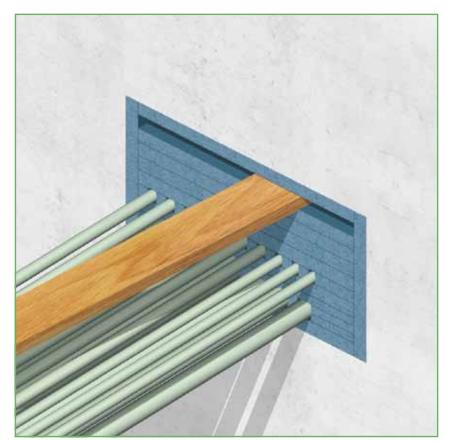


15) Compression of the filling is necessary to obtain stability. For this purpose it is easier to insert a couple of strips instead of sheets. The strips are greased all around with CSD® lubricant.



ACTIFOAM

16) The first strip is inserted into the the opening between the layers by hand. For a wall thickness of 150 mm it is advisable to cut three strips 50 mm wide to enable easier insertion.

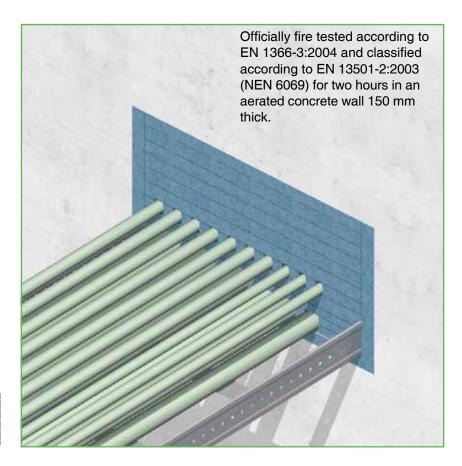








17) It is not necessary to interrupt the cable tray. ACTIFOAM® allows, if required, the tray to be passed through the conduit opening. ACTIFOAM® sheets are placed all around the cable tray.



ACTIFOAM

18) In case the penetration has to be not only fire safe but also gas- and water tight, the ACTIFOAM® foam rubber filling can be covered with a layer FIWA® or NOFIRNO® sealant in a thickness of minimum 10 mm.

