


product	<b>Firetect® Pillow</b>
description	fire stop pillow, stackable
intended use	service closure for structural openings for cable penetrations, to form a temporary penetration seal in case of fire to reinstate the fire resistance of fire compartments
certification	tested acc. EN 1366-3 + classified acc. EN 13501-2

<b>constructive element <sup>1)</sup></b>	
<b>fire rated walls</b>	<ul style="list-style-type: none"> <li>- standard flexible walls ≥ 100mm, eg 50mm MS profiles with on 2 sides min. 2x 12,5mm plaster board type F + insulation: rock wool ≥ 50mm, density ≥ 100 kg/m<sup>3</sup></li> <li>- standard rigid walls ≥ 150mm, eg blockwork, (aerated) concrete or masonry, density ≥ 650 kg/m<sup>3</sup></li> </ul>
<sup>1)</sup> the supporting construction must be classified acc. EN 13501-2 for the required fire resistance period	

<b>fire resistance</b>			
<b>field of application:</b>	acc. EN 13501-2 / 1366-3		
<b>EI 30 up to EI 120: Pillow</b>	<b>structural openings for cable penetrations:</b>	steel cable trays + ladders	
<b>cable type ≤ Ø80mm</b> (see details on page 2)	trays up to 500x60mm ladders up to 335x104mm	max. aperture in mm:	
A1 + A2 + D2 + G1 + G2	in rigid walls	EI 120	600x600
C1 + C2	in rigid walls	EI 90	600x600
misc. cables	in rigid walls	EI 30 up to EI 120	600x600
misc. cables	in PA board in flexible + rigid walls	EI 30	685x990

<b>directions for use</b>	
<b>important</b>	application must follow TDS
<b>equipment</b>	if required, use wire mesh support construction or similar (non-combustible) material
<b>surface preparation</b>	<ul style="list-style-type: none"> <li>- ensure that service elements are firmly anchored with constructive elements on either side</li> <li>- the penetration opening must be clean, dry and degreased; remove any debris and dust</li> <li>- with flexible walls, install a frame in the aperture; seal off with Acrylic</li> </ul>
<b>application</b>	<p><b>temporary fire seal for cable penetrations</b></p> <ul style="list-style-type: none"> <li>- position the pillows with min. 2 layers lengthways in the aperture</li> <li>- stack tight-fit, ensuring 'joints' are staggered for each layer</li> </ul>

<b>additional product info</b>	<p>Firetect® is a registered brand of KLF</p> <p>© KLF Building Products</p> <p><a href="#">disclaimer</a></p> <p>Consult <a href="http://firetect.eu/download">firetect.eu/download</a> for updated versions; product development + fire tests are ongoing processes at KLF. Contact KLF for <b>other</b> EI requirements and (non)standard or complex site requirements; mail <a href="mailto:info@klf.nl">info@klf.nl</a></p>
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specifications		Firetect® Pillow
material	stackable pillow with heat reactive fillers, intumescent	
colour	grey	
<b>fire resistance</b>	EI 30 up to EI 120, depending on application and configuration	
 tested acc.	EN 1366-3	
classified acc.	EN 13501-2	
<b>environmental performance</b>		
release of dangerous substances	none: non-formaldehyde, non-asbestos	
use category	Z <sub>2</sub> internal use	
application conditions	between +5 °C and +30 °C, max. 70% RH	
packaging	per piece in cartons; quantity depending on size	
storage	store dry, between +5 °C and +30 °C, max. 70% RH, avoid condensation and UV	
shelf life	infinite, if stored acc. instructions	
activation temperature	approx. +200 °C	
flash point	not applicable	

available sizes	Length x Width x Thickness (mm)
Pillow small	330 x 50 x 20
Pillow medium	330 x 200 x 25
Pillow large	330 x 200 x <b>45</b>

details cable type	group type	max. Ø in mm	copper core in mm <sup>2</sup>	insulation	no. of cables	EI	constr. type
<b>small</b>							
A1	1	8,1	5 x 1.5	pvc	20	120	rigid
A2	1	14,4	5 x 1.5	epr + csp	10	120	rigid
<b>medium</b>							
C1	2	61,0	95	cpr + csp	4	90	rigid
C2	2	40,0	95	xple + pvc	4	90	rigid
<b>large</b>							
D2	3	80,0	185	epr + csp	4	120	rigid
misc.							
F (telecom)	4	10,7	20 x 2 x 0,6	pvc	70	120	rigid
G1 (non-sheathed)	5	15,6	95	-	1	120	rigid
G2 (non-sheathed)	5	21,3	185	-	1	120	rigid
YMKV + YS-TY-MB + SISTMAX CAT UTP					44	30	in PA board flexible + rigid

distance between **trays / ladders**: horizontal ≥ 15mm; vertical ≥ 100mm  
distance from opening **edges**: horizontal ≥ 30mm; vertical ≥ 50mm

limitations
- Pillows are suitable as 'quick fix' solution during rough-in cabling, keeping flexibility - use Cable transits for frequent cable retrofitting, providing a permanent maintenance-free solution

transport & storage
- during transport: keep dry; do not stack pallets - store dry; best kept in cool, dark conditions - store on level ground; do not stack pallets - HS code: 69031000

health & safety
- no specific restrictions - work according to health & safety Directive and use appropriate PPE - this product is classified as not dangerous under Regulation 1272/2008 and is in compliance with CLP regulations

