

STI - Specified Technologies Inc.
Attn. Mr. Gaudard
210 Evans Way
08876 SOMERVILLE
USA

Our reference 2018-Efectis-B001097/LZS/TNL
Your reference NEN 6075

Bleiswijk (NL), July 13, 2018

EZ-Path® Fire Rated Pathway and air permeability performance

Dear Mr. Gaudard,

Specified Technologies Inc. Firestop has requested Efectis the Netherlands to examine EZ-Path® Fire Rated Pathway cable penetration seals according to the Dutch standard NEN 6075 in conjunction with EN 1634-3: 2004. Furthermore if it is possible to classify the penetration seals regarding the smoke control criteria S_a and S_{200} according to EN 13501-2: 20126.

The European assessment document (EAD 350454-00-1104) for penetration seals recommends the test method EN1026 to evaluate the air permeability performance of the penetration seals.

The current Dutch standard NEN6075 refers to both EN1634-3 and EN1026 for smoke control and air permeability performance. However, the EN1634-3 and EN1026 are designed for doors, windows, shutter assemblies or facades only.

So there is no European test standard for the determination of smoke control of cable penetration seals. As a consequence, Efectis the Netherlands confirms that EZ-Path® Fire Rated Pathway cannot be classified according to EN 13501-2: 2016 for S_a and S_{200} criteria.

Based on § 5.3.7 of the NEN6075 it is however possible for Efectis Nederland to declare that a cable penetration seal satisfies the S_a criterion if it has been tested according to the EN 1026 and the flow rate is less than $3 \text{ m}^3/\text{hm}^2$ for a blind seal (no cables, etc.).

Furthermore it is possible to declare that the cable penetration seal satisfies the S_{200} criterion as well if it has been declared that the cable penetration seal satisfies the S_a criterion and has been classified at least E20 according to EN 13501-2:2016.

In order to make this declaration, relevant test report(s) from accredited notified bodies need to be provided to Efectis Nederland.

Best regards,



S. Lutz
Project leader smoke control and resistance to fire

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