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European Technical Assessment

**ETA-20/1122
of 30/12/2020**

General Part

Technical Assessment Body issuing the European Technical Assessment

Instytut Techniki Budowlanej

Trade name of the construction product

Novatherm SP

Product family to which the construction product belongs

Fire Stopping and Fire Sealing Products.
Linear Joint and Gap Seals

Manufacturer

Protega AB
Verkstadsgatan 6B
231 66 Trelleborg
Sweden

Manufacturing plant

Protega AB
Verkstadsgatan 6B
231 66 Trelleborg
Sweden

This European Technical Assessment contains

15 pages including 1 Annex which form an integral part of this Assessment

This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of

European Assessment Document EAD 350141-00-1106 "Fire Stopping and Fire Sealing Products. Linear Joint and Gap Seals"

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Specific Part

1 Technical description of the product

The Novatherm SP is an acrylic based sealant used to seal linear joints and gaps in and between walls and floors to reinstate the fire resistance performance of wall and floor constructions, where they incorporate apertures or abut each other.

The Novatherm SP is supplied in liquid form contained within 310 ml cartridges and 600 ml foils. The sealant is gunned or trowelled into the aperture in or between the separating element / elements to a specified depth utilising backing material.

2 Specification of the intended use in accordance with the applicable European Assessment Document (EAD)

2.1 Intended use

The intended use of Novatherm SP is to reinstate the fire resistance performance of rigid or flexible wall and rigid floor constructions where there are linear joints and gaps.

The specific elements of construction, that Novatherm SP may be used to provide a linear joint or gap seal in, are, depending on the type of the seal, as follows:

- Rigid floors: The floor must have a minimum thickness of 150 mm and comprise concrete, aerated concrete (AAC) or masonry, with a minimum density of 650 kg/m³.
- Rigid walls: The wall must have a minimum thickness of 150 mm and comprise concrete, aerated concrete (AAC) or masonry, with a minimum density of 650 kg/m³.
- Flexible walls: The wall must have a minimum thickness of 100 mm and comprise timber or steel studs lined on both faces with minimum 2 layers of 12,5 mm thick, 'Type F' Gypsum boards according to EN 520. In timber stud walls, no part of the linear joint shall be closer than 100 mm to a stud, the cavity must be closed between the linear joint and the stud and minimum 100 mm of insulation of class A1 or A2 according to EN 13501-1, is provided within the cavity between the penetration seal and the stud.

Types of the seals are specified in Annex A.

The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period (equal or greater than specified in Annex A).

The Novatherm SP may be used to provide a linear joint or gap seal with specific supporting constructions and substrates (for details see Annex A).

The permitted joint / gap width is specified in Annex A. The maximum permitted joint / gap width is 50 mm.

The Novatherm SP shall be used to form linear joint or gap seals with movement capability lower than 7.5%.

The provisions made in this European Technical Assessment are based on an assumed working life of the Novatherm SP of 25 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer or the Technical Assessment Body, but

are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

Additional provisions are given in Annex A1.

2.2 Use category

Type Z₂: intended for use in internal conditions with humidity lower than 85% excluding temperatures below 0°C.

3 Performance of the product and references to the methods used for its assessment

3.1 Performance of the product

3.1.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	No performance assessed
Resistance to fire	Annex A

3.1.2 Hygiene, health and the environment (BWR 3)

No performance assessed.

3.1.3 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Mechanical resistance and stability	No performance assessed
Resistance to impact / movement	No performance assessed
Adhesion	No performance assessed
Durability	Use category: Type Z ₂
Movement capability	No performance assessed (non-movement joints)

3.1.4 Protection against noise (BWR 5)

No performance assessed.

3.1.5 Energy economy and heat retention (BWR 6)

No performance assessed.

3.2 Methods used for the assessment

The assessment of the products has been made in accordance with EAD 350141-00-1106 "Fire Stopping and Fire Sealing Products. Linear Joint and Gap Seals".

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base

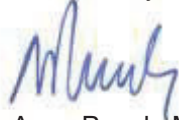
According to Decision 99/454/EC of the European Commission, as amended by Decision 2001/596/EC of the European Commission the system 1 of assessment and verification of constancy of performance applies (see Annex V to regulation (EU) No 305/2011).

5 Technical details necessary for the implementation of the AVCP system, as provided in the applicable European Assessment Document (EAD)

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited in Instytut Techniki Budowlanej.

For type testing the results of the tests performed as part of the assessment for the European Technical Assessment shall be used unless there are changes in the production line or plant. In such cases the necessary type testing has to be agreed between Instytut Techniki Budowlanej and the notified body.

Issued in Warsaw on 30/12/2020 by Instytut Techniki Budowlanej



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