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designated according to Article 29 of the Regulation (EU) No 305/2011 and member of EOTA (European Organisation for Technical Assessment, www.eota.eu)

European Technical Assessment

ETA 16/0322
of 17/07/2017

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: UL International (UK) Ltd

Trade name of the construction product

Protecta FR Putty

Product family to which the construction product belongs

Fire Stopping and Sealing Product:
 • Penetration Seals

Manufacturer

Polyseam Ltd
 Shaw Park
 Silver Street
 Huddersfield, West Yorkshire
 HD5 9AF, UK
www.protecta.co.uk

Manufacturing plant(s)

Polyseam Ltd
 Shaw Park
 Silver Street
 Huddersfield, West Yorkshire
 HD5 9AF, UK

This European Technical Assessment contains

8 pages including 1 Annex which forms an integral part of this assessment.

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

ETAG 026-2, edition 2011, used as European Assessment Document (EAD).

This version replaces

ETA 16/0322 issued on 05/12/2016

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I. SPECIFIC PARTS OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of the product

- 1) Protecta FR Putty is a flexible pad or cord used to reinstate the fire resistance performance of wall constructions where they have been provided with apertures for the penetration of pipes into socket boxes, on both sides of the wall.
- 2) The Protecta FR Putty is supplied precut to size with a peel off strip to both faces to prevent it from bonding materials other than for the desired application. The Protecta FR Putty is installed by removing the peelable strips and wrapping the pad around the socket box where it penetrates the face of the wall and covering the back face of the box (at the end of the pipe).
- 3) Polyseam AS submitted a written declaration that Protecta FR Putty does not contain substances which have to be classified as dangerous according to Directive 67/548/EEC and Regulation (EC) No 1272/2008 and listed in the "Indicative list on dangerous substances" of the EGDS - taking into account the installation conditions of the construction product and the release scenarios resulting from there.

In addition to the specific clauses relating to dangerous substances contained in this European technical Assessment, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the Construction Products Regulation, these requirements need also to be complied with, when and where they apply.

2 Specification of the intended uses of the product in accordance with the applicable European Assessment Document (Hereinafter EAD): ETAG 026-2

Detailed information and data is given in Annex A.

- 1) The intended use of Protecta FR Putty is to reinstate the fire resistance performance of flexible wall constructions where they are penetrated by the pipe protrusion of socket boxes.
- 2) The specific elements of construction that the system Protecta FR Putty may be used to provide a penetration seal in, are as follows:
 - a. Flexible walls: The wall must have a minimum thickness of 100 mm and comprise steel studs lined on both faces with minimum 2 layers of 12.5 mm thick boards.

The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period.

- 3) The System Protecta FR Putty may be used to provide a penetration seal the pipe protrusion of socket boxes (for details see Annex A).
- 4) The system Protecta FR Putty may be used to seal apertures in the separating element up to 63 mm diameter (aperture containing socket box) and be installed in accordance with the manufacturers instructions. The aperture in the wall shall be as tight as possible to the penetration pipe and any gaps filled with plaster filler.
- 5) The provisions made in this European Technical Assessment are based on an assumed working life of the Protecta FR Putty of 50 years, provided that the conditions laid down in the product datasheet for the packaging/transport/ storage/installation/use/repair are met. The indications given on the working life cannot be interpreted as a guarantee given by the producer, 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.

- 6) Type Z₂: Intended for uses in internal conditions with humidity lower than 85 % RH excluding temperatures below 0°C, without exposure to rain or UV.

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

Product-type: Intumescent sheet		Intended use: Penetration Seal
Basic requirement for construction work	Essential characteristic	Performance
	Mechanical resistance and stability	
-	None	Not relevant
Safety in case of fire		
EN 13501-1	Reaction to fire	No performance determined
EN 13501-2	Resistance to fire	Annex A
Hygiene, health and environment		
EN 1026:2000	Air permeability (material property)	No performance determined
ETAG 026-2, Annex C	Water permeability (material property)	No performance determined
Declaration of manufacturer	Release of dangerous substances	Declaration of manufacturer
Safety in use		
EOTA TR 001:2003	Mechanical resistance and stability	No performance determined
EOTA TR 001:2003	Resistance to impact/movement	No performance determined
EOTA TR 001:2003	Adhesion	No performance determined
Protection against noise		
EN 10140-2/ EN ISO 717-1	Airborne sound insulation	No performance determined
Energy economy and heat retention		
EN 12664, EN 12667 or EN 12939	Thermal properties	No performance determined
EN ISO 12572 EN 12086	Water vapour permeability	No performance determined
General aspects relating to fitness for use		
EN 13162 or EN 14303, EN ISO 1519	Durability and serviceability	Z ₂

4 ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE (HEREINAFTER AVCP) SYSTEM APPLIED, WITH REFERENCE TO ITS LEGAL BASE

According to the decision 1999/454/EC – Commission Decision of date 22nd June 1999 on the procedure for attesting the conformity of construction products pursuant to Article 20(2) of Council Directive 89/106/EEC as regards fire stopping, fire sealing and fire protective products, published in the Official Journal of the European Union (OJEU) L178/52 of 14/07/1999, see <http://eur-lex.europa.eu/JOIndex.do> of the European Commission¹, as amended, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) given in the following table(s) applies (apply).

Product(s)	Intended use(s)	Level(s) or class(es)	System(s)
Fire stopping and Fire Sealing Products	For fire compartmentation and/or fire protection or fire performance	Any	1

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applipipe EAD

Tasks of the manufacturer:

Factory production control

The manufacturer shall exercise permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer shall be documented in a systematic manner in the form of written policies and procedures, including records of results performed. This production control system shall ensure that the product is in conformity with this European technical Assessment.

The manufacturer may only use initial / raw / constituent materials stated in the technical documentation of this European Technical Assessment.

The factory production control shall be in accordance with the Control Plan of 01/10/16 relating to the European technical assessment ETA 16/0322 issued on 17/07/2017 which is part of the technical documentation of this European technical approval. The "Control Plan" is laid down in the context of the factory production control system operated by the manufacturer and deposited at UL International (UK) Ltd.

The results of factory production control shall be recorded and evaluated in accordance with the provisions of the Control Plan.

¹ Official Journal of the European Communities L178/52 of 14/7/1999

Other tasks of the manufacturer

Additional information

The manufacturer shall provide a technical data sheet and an installation instruction with the following minimum information:

(a) Technical data sheet:

- Field of application:
- Building elements for which the penetration seal is suitable, type and properties of the building elements like minimum thickness, density, and - in case of lightweight constructions – the construction requirements.
- Limits in size, minimum thickness etc. of the penetration seal
- Construction of the penetration seal including the necessary components and additional products (e.g. backfilling material) with clear indication whether they are generic or specific.
- Services which the penetration seal is suitable, type and properties of the services like material, diameter, thickness etc. in case of pipes including insulation materials; necessary/allowed supports/fixings (e.g. pipe trays)

(b) Installation instruction:

- Steps to be followed
- Procedure in case of retrofitting
- Stipulations on maintenance, repair and replacement

6 Issued on:

17th July 2017

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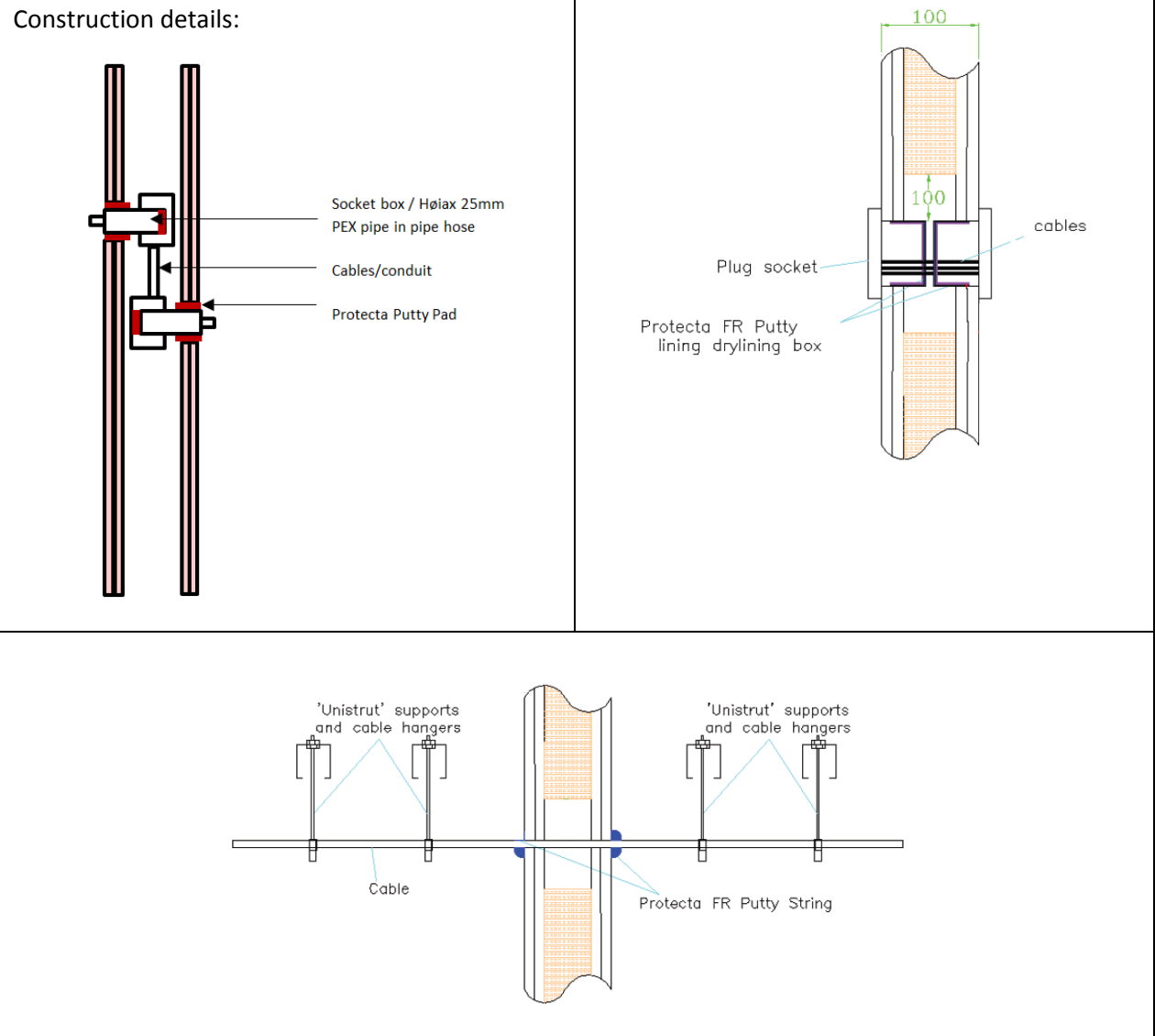
For and on behalf of UL International (UK) Ltd.

ANNEX A – Resistance to Fire Classification – Protecta FR Putty

A.1 Flexible wall constructions with wall thickness of minimum 100 mm

A.1.1 Pipe and cable penetration seals with 4 mm thick Protecta FR Putty in socket box

Penetration Seal: Socket boxes with 15 mm long Protecta FR Putty wrapped around the pipe protrusion from the socket box. Min. 30 mm between cable penetrations.



A.1.1.1 Double side penetration seal with pipes in socket boxes

Services	Socket box	Protecta FR Putty - mm	Aperture mm	Classification
Høiax 25mm PEX pipe in pipe hose	Single or double Høiax Push Wallbox 15mm*	174 x 64 x 4 mm pad around pipe / 50 Ø x 25 mm at back of the box	63 Ø	EI 90
Cables up to 14 mm diameter	UK standard double socket box, 130mm wide x 70mm high x 47mm deep, each with up to 22mm hole cut to accept the cables	Interior of box fully lined with pad	135 wide x 75 high	EI 60
Single electrical cables up to 21 mm diameter	N/A	15mm diameter cord	Less than 10 mm annular width	EI 120
Blank seal	N/A	15 mm deep cord	Up to 14 diameter	EI 120

*Fixed directly to studs or with steel plate between studs.