



Declaration of Performance

No. PIRO-04-2017-12-31

1. Unique product identification code:

Piro Acrylic Sealant AC120

2. Intended use or uses:

Piro Acrylic Sealant AC120 for flame retardation and flame retardant sealing. Seals for linear joints or slots in walls or ceilings.

The width of the joint depends on the type of auxiliary materials - mineral wool or Pyroplex foam- and ranges from 60mm to 100mm. In the case of a joint between a masonry structure and a steel structure, e.g. a corrugated sheet, the maximum width of the joint is 60mm.

The anticipated application of Piro Acrylic Sealant AC120 is to restore fire resistance of solid and light walls and solid ceilings, if they contain linear joints or slots with a mobility up to 7.5%.

Special structural elements, in which Piro Acrylic Sealant AC120 can be used as fire stopping and fire sealing products. Sealing of service penetrations Sealing of linear joints:

Rigid walls: walls made of concrete, reinforced concrete, cellular concrete, bricks, or blocks, of a thickness of not less than 150mm and a density of not less than 600kg/m³

Rigid ceilings: ceilings made of concrete or reinforced concrete, with a thickness of not less than 150mm and a density of not less than 1,700kg/m³

Linear joints: ETA 17/1059, CLASSIFICATION OF FIRE RESISTANCE IN ACCORDANCE WITH EN13501-2:2007+A1:2009

Flame Cable Paste A can be used as a sealant or flame retardant, if it is required to achieve non-flammability of the surface (obtaining ablative properties)

Reference Document - European Technical Assessment ETA-17/1059.

CLASSIFICATION OF FIRE RESISTANCE IN ACCORDANCE WITH EN13501-2:2007+A1:2009

- The product should be installed, according to the Technical Sheet of Pirossystem Sp. z o.o.

3. Manufacturer:

Pirosystem Sp. z o.o.
ul. Ogrodnicza 3A
83-021 Wiślina

4. Authorised representative:

5. System(s) for verification and evaluation of performance stability:

System 1

6a. Harmonised standard:

As specified in item 2

Notified body or bodies:

6b. European Assessment Document:

European Technical Assessment:

ETA 17/1059 of 14-12-2017.

Technical evaluation body:

Notified body or bodies:

Building Research Institute (Instytut Techniki Budowlanej - ITB)

7. Declared performance:

The Building Research Institute (ITB) has issued ETA No. 17/1059 on the basis of the Guidelines for the Issuance of European Technical Assessments for Fire Stopping and Sealing Products: ETAG 026, part 3: "Seals for linear joints and slots".

The company carried out initial and continuous supervision at the manufacturing site, as well as supervision of the factory production control implemented at the plant; product samples were taken and a preliminary test in system 1 was carried out; Certificate of Constancy of Performance and Certification Mark for the use of ITB certification mark were issued.

Declared performance:

Clause ETAG	Clause ETA	Characteristics	Characteristics Assessment (Declared performance)
Mechanical resistance and durability			
		None	Not applicable
Safety in case of fire			
2.4.1	2.1.	Reaction to fire	NPD Class E
2.4.2	2.2	Fire resistance	ETA 17/1059

Hygiene, health and the environment			
2.4.3	2.3	Air permeability (material properties)	No effect has been observed
2.4.4	2.4	Water permeability (material properties)	No effect has been observed
2.4.5	2.5	Release of hazardous substances	In accordance with the declaration
Safety of use			
2.4.6	2.6	Mechanical resistance and durability	No effect has been observed
2.4.7	2.7	Resistance to impact/deformation	No effect has been observed
2.4.8	2.8	Adjacency	No effect has been observed
Protection against noise			
2.4.9	2.9	Suppression of ambient noise	No effect has been observed
2.4.10	2.10	Suppression of impact noise	No effect has been observed
Energy saving and heat retention			
2.4.11	2.11	Thermal characteristics	No effect has been observed
2.4.12	2.12	Water vapour permeability	No effect has been observed
General aspects regarding the suitability for use			
2.4.13	2.13	Durability and usability	Z ₂

The performance of the described afore product corresponds to the declared performance. This declaration of performance has been issued in accordance with Regulation (EU) No. 305/2011 under the sole responsibility of the said manufacturer.

PASSIVE FIRE PROTECTION

Signed on behalf of the manufacturer:

M. Sc. Marcin Gierej

President of the Board at Pirosystem Sp. z o.o.

Wiślina, dated 26st January 2018