

Piro Acrylic Sealant AC120

ACRYLIC MASS FOR FIRE PROTECTION: EXPANSION JOINTS AND GAPS, SPACES BETWEEN DOORS AND WINDOWS

More information about the product can be found at:
<https://www.pirosystem.pl/piroacrylic>

PRODUCT OFFICIAL DOCUMENTS	
European Technical Approval:	ETA-17/1059
Certificate of Constancy of Performance:	1488-CPR-0669/W
Hygienic certificate:	BK/B/0264/01/2019
European Declaration of Performance:	PIRO/04-2017-12-31

PRODUCT TECHNICAL DATA	
Fire resistance class:	up to EI 120
Reaction to fire:	Bfl-s1; B-s2,d0
Color:	white
Density:	1,60 ± 5% g/cm ³
Environment class:	Z1, Z2
Storage temperature range:	from +5°C to +30°C
Shelf life:	10 months
The theoretical amount to obtain a 1 mm thick coating:	1,93 kg/m ²
Oxygen index:	≥45
Packaging:	3 kg, 10 kg bucket, 310 ml cartridge



TECHNICAL DESCRIPTION:

Fire-resistant acrylic mass Piro Acrylic Sealant AC120 is a liquid, thick mass of white color, based on a water-dilutable acrylic resin with special additives. The mass pressed into expansion joints or gaps under fire conditions expands its volume, filling the spaces between construction elements tightly.

INTENDED USE:

Piro Acrylic Sealant AC120 is intended for sealing:

- expansion joints in building partitions constituting fire partitions with a possible displacement of ± 7.5%
- spaces between frames and window and door frames (wooden, steel, PVC) - the mass does not replace the mechanical fastening of windows and doors to the building partition,
- around steel or copper pipes,
- previously protected with one of PiroSystem products: tape, collar, foam or seals

APPLICATION

Application methods: spatula, brush, roller, airless spray. Before covering, clean the surface and degrease if necessary. Cover adjacent surfaces with tape to ensure even application of the compound. Stir the product well before use, the ambient temperature during application should be at least + 5°C. The product is ready for use, does not require dilution. If necessary, it is allowed to dilute with warm water no more than 10%. Clean tools with water after use. Surface drying time 14 h ± 10% (at the temperature of 20°C and relative air humidity of 65%). The consumption of the mass may be difficult to determine, because it is an auxiliary material for sealing gaps, joining pieces of wool, leveling the surface, its consumption should be determined practically.

MANUAL APPLICATION: with a spatula or other plaster application tool. The paste is ready for application - you should not add water to thin it

AIRLESS SPRAY APPLICATION: with airless spray. When coating with airless spray, 10% water should be added to the paste (i.e. 1 liter of water per 10 kg of paste). After adding water, mix the paste with a mechanical mixer for 3 minutes until a homogeneous mixture is obtained.

STANDARD EQUIPMENT REQUIREMENTS FOR AIRLESS SPRAY APPLICATION: pneumatic pump with a capacity of 24 l / min; 68: 1 ratio; compressed air operating pressure 7 bar; nozzle 421; 3/8 " and 1/4 " hoses.

CAUTION: Remove the filter from the paint sprayer. If you have other equipment, pay attention to the gear ratio and working pressure, for higher capacities you can use nozzles with a larger diameter. No more than 10% by weight of water should be added.

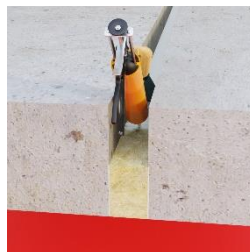
APPLICATION OF PIRO ACRYLIC SEALANT AC120 ON EXPANSION JOINTS



Apply **Piro Acrylic Sealant AC120** on both sides with a 3 mm thickness on the mineral wool board with a min. density of 80 kg/m³



Place prepared mineral wool boards inside the expansion joint at one of its edges



By using a putty knife apply **Piro Acrylic Sealant AC120** on mineral wool boards with a 3 mm thickness



Fill the remaining expansion joint with mineral wool boards with a density of 80 kg/m³ with **Piro Acrylic Sealant AC120** applied previously, the same way as in step 1



Properly protected expansion joint

APPLICATION OF PIRO ACRYLIC SEALANT AC120 ON GAPS



Prepare the gap by brushing off loose parts and dust with a brush



In case of narrow gaps not filled with wool, insert **Piro Acrylic Sealant AC120** as deep as possible into the gap



In case of deep gaps fill them partially with mineral wool



Apply **Piro Acrylic Sealant AC120** so that a layer is formed. Use a putty knife to level it



Properly protected wall gap

More information on applications and instructions can be found at:

<https://www.pirosystem.pl/piroacrylic>

Health and safety recommendations:

The product is intended for use by professional companies in industrial conditions. Work related to the application of the product should be carried out in accordance with the applicable health and safety and environmental protection regulations. Before starting work with the product, read the Product Safety Data Sheet.

Version 05.2022 replaces 12.2017

The above information is based on our current knowledge and experience. We provide them in good faith. However, due to the variety of methods and conditions of application, they should be verified in specific applications. Therefore, the manufacturer's liability and obligations beyond the conditions set out in the applicable standard are excluded.