

# PiroCoat A

**ABLATION PASTE FOR FIRE PROTECTION:  
PIPE INSULATED WITH MINERAL WOOL, MIX PENETRATION SEALS OF PIPES AND CABLES, EXPANSION JOINTS & GAPS**

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

PRODUCT OFFICIAL DOCUMENTS	
European Technical Approval:	ETA-17/1062
Certificate of Constancy of Performance:	1488-CPR-0726/W
Hygienic certificate:	BK/B/0264/01/2019
European Declaration of Performance:	PIRO/06-2018-09-10

PRODUCT TECHNICAL DATA	
Fire resistance class:	up to EI 120
Reaction to fire:	Bfl-s1; B-s2,d0
Color:	creamy white
Density:	1,36 ± 5% g/cm <sup>3</sup>
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 <sup>2</sup>
Oxygen index:	≥45
Packaging:	3 kg, 10 kg bucket, 310 ml cartridge



**TECHNICAL DESCRIPTION:**

PiroCoat A is a one-component ablation paste, which is a water dispersion of synthetic resin and pigments. The paste is produced in the form of a thick, cream-white mass of high density. It is suitable for application with a spatula or, after its slight dilution with water, it can be applied hydrodynamically as a paint coating. The PiroCoat A coating is completely non-flammable. It can be packed in various containers, from 330 ml cartridges to 10 kg buckets. In order to change the color, A Paste can be topcoated with decorative water-based paints. Before applying PiroCoat A, the surfaces to be protected should be vacuumed, degreased and slightly moistened with water.

**INTENDED USE:**

PiroCoat A fireproof paste is intended for sealing service penetrations of certain types of flammable and metal pipes and cables. It is intended for fire protection: mineral wool used as an insulating cover, mineral wool boards in mixed penetrations, as a filling of gaps and expansion joints in walls and floors or as a sealing of plasterboards or filling between them. It has good adhesion to various surfaces, including ceramic, gypsum, mineral wool and metals. PiroCoat A coating is characterized by very good endothermic properties and strongly cools the surface while it is heated by the flame and blocks its spread under fire conditions. Penetrations seals made with PiroCoat A are classified in class EI.

## PASSIVE FIRE PROTECTION

**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 PIROCOAT A ON PIPE INSULATED WITH MINERAL WOOL**



Fill the space between the pipe insulation and the partition tightly. Use mineral wool with a density of min. 60 kg/m<sup>3</sup>



Using a spatula, apply **PiroCoat A** on the partition in such a way that a ring with a width of min. 50 mm and a thickness of min. 0.6 mm is created



Apply **PiroCoat A** on the pipe cover to form a ring with a width of min. 50 mm and a thickness of min. 0.6 mm

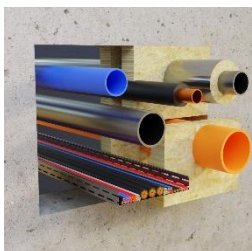


Sealing should be done on both sides of the partition



Mark the penetration seal with the attached label, mark **PiroCoat A** on it, enter the date and name

**APPLICATION OF PIROCOAT A ON MIXED PENETRATION SEALS OF PIPES AND CABLES**



Fill the hole in the wall with mineral wool boards with a minimum density of 150 kg/m<sup>3</sup> and a minimum thickness of 50 mm



By using a putty knife, apply a 1.2 mm thick layer of **PiroCoat A** paste on the wool



Protection of wool and wall by **PiroCoat A** should be done on both sides



Protect pipes and cables in accordance with the instructions in the information leaflet or product catalog



Mark the completed penetration seal with the label. Mark all Pirosystem materials used on it, enter the date and the name

More information on applications and instructions can be found at:

<https://www.pirosystem.pl/pirocoat-a>

**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 04.2021**

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.

PASSIVE FIRE PROTECTION