

Non-combustible glues

GB / 4.1 / Rev. 5

PYROCOL A - AV - E - MS - F



odice
PASSIVE FIRE PROTECTION



Product description

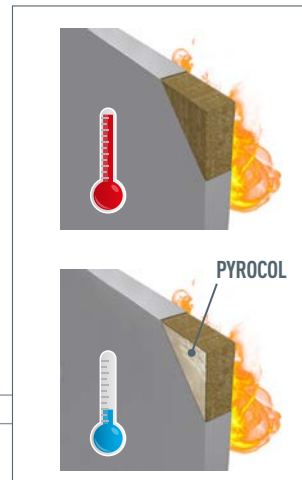
PYROCOL are simple pasting water-based glues which provide an entirely non-combustible film.

PYROCOL film, slightly intumescent, enhances the fire resistance of elements to which it is applied. Its initial setting time,

lower than that of traditional glues, allows earlier handling of glued elements.

PYROCOL is classified as non-combustible.

PYROCOL exists in different versions, in order to adapt to the most diverse materials and applications.



Technical data

	PYROCOL A	PYROCOL AV	PYROCOL E	PYROCOL MS	PYROCOL F
General					
Product type	High temperature glue with a chemical binder				
Reaction to fire	Non-combustible				
Presentation	Liquid (ready to use)			Paste (ready to use)	
GCV	0 kJ/kg	0 kJ/kg	0 kJ/kg	0 kJ/kg	0 kJ/kg
Pyrometric cone	1.100°C	1.100°C	1.100°C	1.100°C	1.350°C
Basic component	Silicate				
Silicate	40 µ	40 µ	-	40 µ	400 µ
Binding	Chemical				
Colour	Cream	Cream	Transparent	Cream	Cream
Chemical (average)*					
SiO ₂	64/70 %	65/70 %	26/30 %	59/62 %	78/80 %
Al ₂ O ₃	-	-	-	23/26 %	14 %
Na ₂ O	15/17 %	15 %	8/9 %	-	-
Physical					
Density	1,5	1,40	1,38	1,65	1,90
pH	9 to 11,5				
Viscosity at 20°C	14.000 to 15.000 mPa/seg	8.000 to 10.000 mPa/seg	200 to 230 mPa/seg	52.000 to 57.000 mPa/seg	235.000 to 240.000 mPa/seg
Maximum operating temperature	1000°C	1000 °C	900°C	1000°C	1.260°C

*Fluorescence X on sample burned to 1000°C / 5 hours to 1000°C / 5 hours

PYROCOL A

PYROCOL A sticks polyurethane, mineral wool, glass wool, ceramic and SUPERWOOL fibres, calcium silicate boards, plasterboards onto a wide range of receiving surfaces: steel, aluminium, galvanised steel.

Application:

Brush, paintbrush or spatula.

Standard packaging:

PYROCOL A is supplied in buckets of 12,5 or 22,5 kg or in containers of 1 400 kg. On special request, in buckets of 5 kg or in 1,5 kg cans with applicator nozzle.

PYROCOL AV

PYROCOL AV is a variant of **PYROCOL A** and is more liquid. This allows a more efficient automatic application. The basic components of the **PYROCOL AV** are the same as those of the **PYROCOL A** with similar drying time.

PYROCOL E

PYROCOL E stick polyurethane, mineral wool, ceramic and **SUPERWOOL** fibres, calcium silicate boards, plasterboards onto a wide range of receiving surfaces: steel, galvanised steel.

For example **PYROCOL E** can be sprayed for the gluing of mineral wool with aluminium foil.

Application

Brush, paintbrush or spray gun.

Standard packaging

PYROCOL E is supplied in buckets of 12,5 and 22,5 kg or in containers of 1 400 kg.

PYROCOL F & MS

PYROCOL F & MS sticks rock wool, glass wool, ceramic and **SUPERWOOL** fibres, calcium silicate boards, plasterboards onto a wide range of receiving surfaces: steel, aluminium, galvanised steel.

The texture of **PYROCOL MS** glue is similar to a sealant, that makes this glue very convenient for fire proof sealing in passive fire protection systems.

PYROCOL FTB & MSTB - white colour versions, which are often used for calcium silicate boards gluing.

Application

Trowel or spatula.

Standard packaging

PYROCOL F & MS is supplied in buckets of 12,5 or 22,5 kg.

On special request, in buckets of 5 kg or in 310cc cartridges in boxes of 25 units.

LXH HARDENER

LXH is required for the use of **PYROCOL** by chemical curing in cold condition or in a confined environment without air renewal. **LXH** accelerates the chemical curing of **PYROCOL** and decreases the drying time.

Recommended **LXH** dosage: 1 - 6 % in weight of **PYROCOL**.

For more information, please consult **LXH** technical sheet.

■ Application of PYROCOL glues

- Ready to use.
- The surface to be coated must be clean and dry.
- Mix well before each use.
- Apply a film onto 1 or 2 surfaces of the materials to be glued together, depending on the type of surface.
- Apply glue and apply pressure.
- The working time depends on the temperature and the relative humidity of the ambient air.
- A higher temperature and dry air will mean a shorter working time.
- Drying in ambient air: it is possible to accelerate setting by hot pressing (up to temperatures of between 80 and 90°C).
- For interior applications.
- Dissolve on permanent contact with water.
- Application tools can be cleaned in water.

PYROCOL has to be tested in the application of the customer. Its validation belongs to user based on the obtained results. For more information feel free to ask our technical advisers.

Storage

Shelf life: 12 months in the original, unopened packaging.
Store away from freezing temperatures and excessive heat.

Health and safety measures

PYROCOL can be an irritant for the eyes; the wearing of safety goggles is recommended.
Observe usual workplace health and safety rules.
Refer to the safety data sheet.

IMPORTANT: while the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by ODICE hereunder are given free of charge and ODICE assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.



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