

Non-combustible glues

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PYROCOL A - E - L - 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 E	PYROCOL L
General			
Product type	High temperature glue with a chemical binder		
Reaction to fire	Non-combustible (report on request)		
Presentation	Liquid (ready to use)		
GCV	< 0 kJ/kg	< 0 kJ/kg	< 0 kJ/kg
Pyrometric cone	1100°C	1100°C	1100°C
Basic component	Silicate	Silicate	Silicate
Silicate	40 µ	-	-
Binding	Chemical	Chemical	Chemical
Colour	Cream	Transparent	Transparent
Chemical (average)*			
SiO ₂	64/70 %	26/30 %	26/30 %
Al ₂ O ₃	15/17 %	-	-
Na ₂ O	10/15 %	8/9 %	8/9 %
Physical			
Density	1,5	1,38	1,36
pH	9 to 11,5	9 to 11,5	9 to 11,5
Viscosity at 20°C	(cyl. n° 5 speed 20 rpm)	(cyl. n° 2 speed 50 rpm)	(cyl. n° 2 speed 50 rpm)
	14 000 to 15 000 mPa.s	200 to 230 mPa.s	100 to 130 mPa.s
Temperature limit	800°C	700°C	700°C

* Fluorescence X on sample burned 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 E & L

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

When sprayed, **PYROCOL L** provides a treatment against defibration of fibre-based products.

Application:

Brush, paintbrush or spray gun.

Standard packaging:

PYROCOL E and **L** are supplied in buckets of 12,5 and 22,5 kg.

Technical data

PYROCOL F	
General	
Product type	Refractory glue for gluing fibrous materials
Reaction to fire	Non-combustible (report on request)
Presentation	Paste (ready to use)
GCV	16 kJ/kg
Pyrometric cone	1350°C
Basic component	Silica
Maximum granulometry	0,4 mm
Binding	Chemical
Colour	Cream
Chemical (average)*	
SiO ₂	78/80 %
Al ₂ O ₃	14 %
Fe ₂ O ₃	< 1 %
Physical	
Density	1,90
pH	10 to 11
Viscosity at 20°C (penetrometer)	11/15
Temperature limit	1260°C

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

PYROCOL F

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

Application:

Trowel or spatula.

Standard packaging:

PYROCOL F 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.

■ 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.

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.

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