

# **PYROPRO LST® INTUMESCENT ACRYLIC SEALANT**

Product name	PYROPRO LST® Intumescent Sealant
Product Code	FS310CWLST
Revision Date	12/08/09
Revision number	01
Ref	PDS LST



## **INTRODUCTION**

Firestopit PYROPRO LST® Intumescent Acrylic Sealant is a one part, intumescent acrylic emulsion. It is designed to resist the passage of fire, while maintaining excellent low smoke and toxicity levels. The sealant will intumesce and form a char when exposed to the heat of a fire that prevents the passage of fire and smoke. In normal use it will maintain the sound reduction index of a structure.

PYROPRO LST® Intumescent Acrylic Sealant does not emit halogenated by-products under fire conditions, and contains no raw materials known to have an estrogenic effect in the environment. It has good unprimed adhesion to a wide variety of common building substrates.

### **The advantages of PYROPRO LST® Intumescent Acrylic Sealant are as follows:**

- Tested for passenger carrying train systems to BS6853:1999
- Joint movement capability of +/- 10%
- LUL approved
- Low smoke and toxicity levels.
- High performance 5 hour fire rating – tested to EN1366-4.
- Halogen free. Resists fungi and vermin.
- Ease of use.



## **SPECIFICATION**

<b>Packaging</b>	310ml Cartridges
<b>Colour</b>	White, Grey or Brown
<b>Slump</b>	5mm after 1hr in 30mm joints
<b>Shrinkage</b>	Approximately 12%
<b>Cure Rate</b>	3mm per day at 50% relative humidity 23°C
<b>Shore A Hardness</b>	50
<b>Application Temperature</b>	+5°C to +30°C
<b>Tack Free</b>	15 minutes 23°C, 50% RH
<b>Water Resistance</b>	Good when fully cured
<b>UV Resistance</b>	Good
<b>Joint Movement</b>	15% of original joint size



## **BS 6853:1999 - TABLE RESULTS**

<b>BS 6853:1999 D8.3: Smoke Ao (max)</b>	0.004
<b>BS 6853:1999 B.1: Toxicity R value</b>	0.19
<b>ISO 4589 Temperature Index</b>	290°C
<b>ISO 4589 Oxygen Index</b>	29.2%



**PERFORMANCE**

Floor & Wall Joint Size Width x Depth	Backing	Gap Face Material	Integrity Rating(mins)	Insulation Rating(mins)	Linear Metres per Cartridge
5mm x 10mm	PE Open Cell Foam	AAC/AAC	300	300	6.2
10mm x 10mm	PE Open Cell Foam	AAC/AAC	300	300	3.1
15mm x 10mm	PE Open Cell Foam	AAC/AAC	300	300	2.07
20mm x 10mm	PE Open Cell Foam	AAC/AAC	300	300	1.55
25mm x 15mm	PE Open Cell Foam	AAC/AAC	300	215	0.83
30mm x 15mm	PE Open Cell Foam	AAC/AAC	300	215	0.69
35mm x 20mm	PE Open Cell Foam	AAC/AAC	300	214	0.44
40mm x 20mm	PE Open Cell Foam	AAC/AAC	300	214	0.39
45mm x 25mm	PE Open Cell Foam	AAC/AAC	300	214	0.28
50mm x 25mm	PE Open Cell Foam	AAC/AAC	300	214	0.25
6mm x 15mm	PE Open Cell Foam	AAC/STEEL	300	91	4.13
10mm x 15mm	PE Open Cell Foam	AAC/STEEL	300	91	2.07
15mm x 15mm	PE Open Cell Foam	AAC/STEEL	300	91	1.38
20mm x 15mm	PE Open Cell Foam	AAC/STEEL	300	91	1.03
25mm x 15mm	PE Open Cell Foam	AAC/STEEL	300	91	0.83
30mm x 15mm	PE Open Cell Foam	AAC/STEEL	300	91	0.69

\* Insulation in floor reduces by 50%, however Integrity remains the same.

<b>PE Foam</b>	Closed Cell polyethylene backer rod (nominal density 35kg/m <sup>3</sup> )
<b>MMF</b>	Mineral fibre >90kg/m <sup>3</sup> density
	BS6853:1999 is the code of practise for fire precautions in the design and construction of passenger carrying trains. Tests used to access this were ISO 4589-2(Oxygen Index) ISO 4589-3(Temperature Index) BS6853:Annexe D.8.3(3m Cube small test) Bs6853:Annexe B1(mass based toxicity test method NFX 10-700).
	The fire ratings have been achieved through testing according to BS 476 Part 20 & 22/1987 and EN1366-4: 2006 and are specific to the conditions of test. They do, however, provide a good indication of the expected performance of the sealant in fire situations. Testing of a particular system may be required. To achieve a specific fire rating, all substrates being used in the system must have an equivalent fire rating.



**INSTALLATION**

Installation details and technical support are available from Firestopit technical department or on the internet at [www.firestopit.com](http://www.firestopit.com)

- Clean all joints free from dust, oil and grease.
- Masking surrounding surfaces if necessary
- Ensure gap is filled using one of the above backing materials.
- Fill gap to the required depth, tool off for a smooth finish.
- Minimum depth to be 6mm

**For further information see Installation Manual.**



**COMPLIANCE**

PYROPRO LST® Sealant is manufactured in the EU, meeting the highest quality standard in compliance with BS EN ISO 9001:2008. For fire test information please contact Firestopit technical department.  
CERTIFIRE No. CF517



**STORAGE AND DISPOSAL**

PYROPRO LST® Sealant is not affected by an outdoor environment. However, for long term storage and ease of installation, it is recommended that it should be stored indoors ideally in dry frost free conditions below +30°C.

For health and safety details refer to Firestopit technical Department.



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