



# Pro WB Firerate

## Technical Data Sheet

### **Product:**

B&L Pro WB Firerate is a one-component gun grade intumescent plasto-elastic joint sealant based on acrylic dispersions. It is formulated to not sag or slump in a correctly designed joint. It is for use in internal low movement joints.

### **Characteristics:**

Resist the passage of fire and smoke.  
Fire resistant up to 4 hours with PE backer rod when tested to AS1530 Part 4.  
Intumescent in contact with fire.  
Swells when exposed to temperatures in excess of 120°C .  
Stays elastic and can be painted over.  
Colourfast and waterproof after curing.  
Very good adhesion on many porous surfaces.  
Can be painted over after curing with water based paints.  
Non toxic.  
Gun grade easy to apply.

### **Applications:**

Interior fire-resistant applications  
Fire-resistant jointing and sealing compound for in-situ  
Concrete and plaster  
Suitable for vertical and horizontal joints, not for trafficked areas.  
Fire-resistant constructions joints in the building industry  
Fire-resistant joints with movements up to 10%.

### **Colour:**

Limestone

### **Packaging:**

600 mL foil sausage, 20 foils to a carton

### **Shelf life:**

At least 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.  
Protect against frost.

### **Surfaces:**

Type: all porous building surfaces

Prime very porous surfaces by painting with a mixture of 1 part Pro WB Firerate to 2 parts water.

We recommend a preliminary compatibility test.

Pro WB Firerate does not adhere to glass or polyethylene

### **Surface Preparation :**

All substrates must be clean, dust free, dry and free of oil grease wax etc. Remove any foreign matter such as wax, release agents, laitance, protective coatings, dust and old sealants. Details of cleaning methods are available from B & L Quality Products.

### **Joint Size:**

Minimum Width: 5mm

Maximum Width: 20mm

Minimum Depth: 5mm

For best performance the depth of the joint should be half the width for joints above 10mm.

Use PE backer rods to avoid three-sided adhesion.

### **Applying the sealant:**

Method: Apply the sealant by means of a good quality barrel gun. Smooth the sealant with a filling-knife. Application temperature: +5°C to +30°C, do not apply when rain or frost are imminent.

Clean: Uncured Pro WB Firerate may be removed from tools with water. Cured sealant must be removed mechanically.

Finishing: with soapy water.

Repair: with Pro WB Firerate

### **Remarks:**

Do not use in applications where continuous water immersion is possible.

Do not apply when rain or frost is imminent

Pro WB Firerate can be painted over with most paints.

The paint should be sufficiently elastic to be applied on a plasto-elastic sealant.

A preliminary test is recommended.

## **Physical Properties**

Base Acrylic		Dispersion
Consistency		Paste
Curing System		Physical drying
Skin formation	(20°C/65% R.H.)	Approx. 20 min.
Shrinkage	(DIN 52451)	Approx. 15%
Specific Gravity	(DIN 53479B)	1.40 g/ml
Temperature Resistance		-20°C to +80°C
Maximum allowed Distortion		10%
* This varies according to ambient conditions such as temperature, humidity, substrate etc..		

### **Health-and safety recommendations:**

Apply the usual industrial hygiene. Refer to the specific Material Safety Data Sheet for Pro WB Firerate to obtain specific details. This is available from B&L Quality Products or your distributor.

### **Remark:**

The directives contained in this documentation are the result of our experiments and our experience to date and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.



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