

## FBL-100 INTUMESCENT COATING

*FBL-100* is a halogen free, low VOC, acrylic co-polymer latex thin film intumescent coating tested for interior passive fire system refurbishment, and/or upgrades on interior substrates that may be exposed to view.

*FBL-100* is a hard, durable, abrasion resistant product with a smooth, white aesthetic finish. The coating is perfect for the refurbishment or upgrade of passive fire protection in existing or new building stock.

### PASSIVE FIRE UPGRADES

Identifying the problem is key to offering the right solution. Across the country, numerous buildings contain 13mm standard plasterboard as part of a fire-resistance-rated mid-floor/ceiling, and/or wall system.

These systems are generally no longer adequate for passive fire protection, so an upgrade is required.

Tech Coatings *FBL-100* now offers a new tested solution!

### A TIMELY SOLUTION

There are currently two common solutions to solve this problem:

1. Installing additional plasterboard, or
2. Replacing the current plasterboard with a tested fire rated system.

Both solutions are very costly and timely for building owners. Tech Coatings *FBL-100* offers another solution, without the need for adding or replacing existing plasterboard.

The water-borne, low VOC formulation allows the *FBL-100* coating to be applied whilst the building is still occupied.

### PASSIVE FIRE STOPPING

Tech Coatings has completed testing to define the relationship between *FBL-100* and various types of passive fire stopping.

Whether scheduling passive fire protection refurbishment or upgrades, Tech Coatings



*FBL-100* can provide solutions for:

- Riser shafts
- Elevator shafts
- Emergency stairwells
- Emergency corridors

In the following types of buildings:

- Hospitals
- Hotels/motels
- Aged care homes
- Intertenancy housing

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### FIRE RESISTANCE

*FBL-100* is tested as per NZBC C/AS2 Appendix C, for providing a "Fire Resistance Rating" (FRR) of 60/60/60 on either:

- Timber (or better) framed walls exposed to fire from either or both sides (two-way FRR), or exposed to fire from the coated side (one-way FRR)
- Timber framed (or better) floor/ceiling systems exposed to fire from below on the following substrates:
  - 13mm Standard plasterboard
  - 6mm Fibre cement sheet
  - 12mm Plywood
  - Exposed timber floors/ceilings (underside only)



### GROUP NUMBER

*FBL-100* is tested as per NZBC C/VM2-Appendix A and can be used to prevent spread of fire on interior wall or ceiling substrates.

- Achieves Group 2-S on Type 1 substrates
- Achieves Group 1-S on Type 2 substrates

### KEY FEATURES

- Tested as per NZBC C/AS2, Appendix C.
- Tested as per NZBC C/VM2 Appendix A.
- Water-borne, cleans up easily with warm water and mild soap
- 100% halogen and asbestos free
- Fast cost-effective application
- Single component thin film application
- Attractive smooth architectural finish
- Achieves a level 4 finish post application
- Lightweight with high impact resistance
- Durable / low maintenance

### TECHNICAL DATA

- |                    |                    |
|--------------------|--------------------|
| - Colour           | White              |
| - Specific Gravity | 7.5 – 8.5          |
| - PH Range         | 7.5 – 8.5          |
| - Weight/Litre     | 1.38kg             |
| - Volume Solids    | 68%                |
| - Weight Solids    | 70%                |
| - Viscosity        | 1800cP             |
| - Low VOC          | 19 g/lit (5-49g/L) |
| - Adhesion         | 400psi             |
| - Shore D Hardness | 77(extra hard)     |
| - Scrub-Resistance | 35 cycles          |

*All coatings tests carried out by KTA-Tator*

### QUALITY POLICY

Located in New Zealand, Tech Coatings, is a distributor of Passive Fire Protective Coatings tested as per the regulatory requirements of Australia and New Zealand for use in the construction industry. Tech Coatings is focused on continual improvement through its practices, procedures and products, ensuring our customers receive a reliable, high-performing Passive Fire Protective Coatings they need and expect.