



## Bc Fire Film

### Product Description:-

BC Fire film-1 is a very low VOC, one-component waterborne acrylic thin film intumescent coating for passive fire protection of structural steel against cellulosic fires. It has been optimized for On-site applications .

### Recommended use:

BC Fire film-1 is recommended as an intumescent fire protection for structural steel in interior use. It is suitable for I-section beams, H columns, hollow sections and cellular beams. It can also be used as a repair and touch-up coating for damaged areas of freshly applied BC Fire film-1.

### Features:

- Excellent DFTs for open sections at 60 minutes
- Suitable for both open, closed and cellular beams steel structures.

### Storage conditions:

- Product must be stored according to local legislation, at 40-10°C [104-50°F] without direct sunlight and protected from rain and snow.
- Temperature must not go below 5°C [41°F] during transport and storage.
- In case shelf life is exceeded, the product must be re-evaluated before use. Please contact a BCI representative.

### Application conditions:

To avoid condensation, apply on a clean and dry surface with a temperature that is at least 3°C [5°F] above the dew point.

### Relative Humidity:

Relative humidity must be below 85% during curing.

### Product compatibility:

- Previous coat: According to BCI Specification. Only BCI approved primer. Consult BCI representative for information on approved primers.
- Subsequent coat: According to BCI Specification. A selection of approved topcoats is available. Consult BCI representative for information on approved topcoats



### **Product:**

Shelf life from date of production, when stored in ,  
Un opened containers. Thereafter, the product quality must be  
re-inspected. Storage at elevated temperatures may reduce shelf  
life. For advice, please consult BCI.

### **Film thickness:**

The film thickness is dependent on the required fire resistance as well  
as the massivity factor ( $H_p/A$ ) of the steel element. Please contact  
your local BCI representative. Please consult the Application  
Instruction for more detailed information. The maximum thickness per  
coat is 800 micron [32 mils] Dry Film Thickness equivalent to 1100  
micron [43 mils] Wet Film Thickness.

