

Avikote WB 600

Intumescent Waterborne Internal Fireproofing for Steel Work
Fire resistance up to 90 minutes

Product Description

Avikote WB 600 fireproofing is a waterborne thin film intumescent coating for the protection of all types of internal structural steel, offering protection up to 90 minutes.

The film when exposed to fire intumesces and expands many times to form an insulating char protecting the steel against the high temperature.

Advantages of Avikote WB 600

- Fully tested to BS 476 Part 20/21:1987
- Up to 90 minutes fire protection, 30, 60, 90 mins.
- Solvent free, safe for use in confined space
- Low thicknesses
- Hi-build, single coat application
- Fast drying, reduces application time
- Durable, hard-wearing, smooth finish
- Environmentally friendly

Physical Data

| | |
|-----------------|--------|
| SG | 1.35± |
| Volume of Solid | 72% ±2 |
| Color | white |

Surface Preparation

Avikote WB 600 should be applied over dry, clean primer, free from dirt, dust and grease. The primer should be compatible with **Avikote WB 600**. For primer compatibility, contact Arabian Vermiculite Industries.

Application

Avikote WB 600 can be applied by brush and airless spray.

When applied by brush, the maximum application per coat should be <750 microns.

When applied by spray, the maximum wet film application per coat is 1200 micron.

Avikote WB 600 should be applied at a temperature above 5°C and at a relative humidity below 80%.

Brush / Roller Application

Use a laying on technique when using a brush, maximum wet film thickness using a brush or roller is 750 micron.

Airless Spray

Avikote WB 600 is supplied ready to use and must not be thinned down. The material should be thoroughly mixed by mechanical stirrer prior to application.

Avikote WB 600 can be spray to a maximum wet film thickness per coat of 1200 micron in a single apply of multi passes.

The thickness should be built-up to achieve the desired loading. In the Middle East, it is possible to apply 2 coats per day, ensuring the previous coat is thoroughly dry.

Recommended Air Spray Equipment

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|--------------------|-------------------------------|
| Tip Size | 19-25 |
| Operating Pressure | 2500-30000 ps |
| Hose Diameter | 10mm (3/8") internal diameter |
| Hose Length | Max 900 meters |
| Fan Angle | 20-40 |

The wet film thickness should be checked using wet film, toothed gauge to ensure that the correct thickness is applied per coat and to determine the subsequent coating required.

Application of Top Seal

Top seal over **Avikote WB 600** can be applied over **Avikote WB 600**.

When **Avikote WB 600** is fully dry and up-to one month, for the type of Top Coat, please consult Arabian Vermiculite Industries P.O. Box 7137, Dammam 31462, Saudi Arabia with Tel No. +966 (13) 847 1475 and Fax No. +966 (13) 847 1575.

Storage

Avikote WB 600 should be stored in a covered closed space at temperature between >5°C to 30°C. Do not store below 5°C and at higher temperature than 30°C. Shelf life is 12 months when kept in its original sealed container.

Note on Primers

The following primers are considered not compatible with **Avikote WB** range of fireproofing: all thermoplastic, paint, and bitumen based.