Firestop BM 330

1) Product Description

It is phosphorous based powder flame retardant for Coating and lamination with less water solubility

2) Properties

Ionic character	:	Not ionic.
Solubility	:	Less soluble in water and common organic solvents.
Chemical Composition	:	Organic phosphorous salt

3) Application

Firestop BM 330 can be used as flame retardants for technical textile in combinations with selected binders

Alkaline conditions (pH > 8), e.g. needed for stable foam coating or when using certain types of polyacrylic acid based thickeners, will negatively influence the product stability, therefore the use of associative thickeners is recommended e.g. cellulose derivative based (HEC, CMC, MC types). Acidic conditions (pH < 4) as given in many acrylic binders or by other formulation additives can also have an impact on stability, therefore pH should be set to slightly acidic to neutral conditions before mixing, preferably at pH 5 to 7

Firestop BM 330 can be combined with suitable polymer dispersions likes acrylates and aqueous polyurethanes

The application can be done by doctor blade coating, air knife

Due to the high surface area and the extremely low water solubility of wetting agents like Rapidol JLF and dispersing agent like Dispersol BC should be added during preparation of coating paste, to ensure a homogeneous distribution of the powder

The amount required of **Firestop BM 330** is depending on the selected binder dispersion, the fabric type, weight and construction, as well as the desired flame retardant effect. Normally 20 to 40 parts of **Firestop BM 330** related to the amount of polymer used

NOTE: Pre-trails are generally recommended to determine the exact amount need.

4) Advantage

4.1) High Temperature Stable
4.2) Low Yellowing

BR Specialities LLP
Plot No. 407, Barhi Textile Park, Phase-I,
HSIIDC, Sonepat-131001. Haryana, INDIA

P : 01145684189
info@brs.net.in
www.brs.net.in

4.3) Non- Hydrogrocopic nature
4.4) Halogen and Antimony free
4.5) Compatible with Dispersing / wetting agents

It is suitable for selected solvent based coating systems but also suitable for water-based thin layer coatings based on screen technology if suitable dispersing/wetting agents are used.

5) Safe use and handling

Good hygienic and industrial practices should be followed and, when employed as recommended, **Firestop BM 330** will not present any hazard. However, prolonged skin contact with the neat product should be avoided and any splashes on the skin should be washed off with water.

The information herein is, to the best of our knowledge, correct and complete. It is based not only on the work in our laboratory but also on the reported results of other workers in this field. It is offered without guarantee of specific properties and no patent liability is assumed. No liability can be accepted for any loss, injury or damage resulting from its use.