



## FRC EX4S

### Product Bulletin

**FRC EX4S** is a flame retardant, intumescent powder that imparts flame retardancy to water-based latex coatings, solvent based resin coatings, caulks, mastics, and sealants. The product can also be added to various plastics and polyurethane foams as a flame retardant system.

#### APPEARANCE

1. White flowable powder

#### TYPICAL PROPERTIES

pH: 8.8 (10% slurry)  
average particle size: 3-5% on 325 mesh screen

#### INTUMESCENT COATING PREPARATION AND APPLICATION

Intumescent coatings may be prepared from **FRC EX4S** by adding the powder to water using a high-shear mixer followed by addition of the latex to the slurry. The amount of **FRC EX4S** added to the latex/water coating can vary between 35 and 50 percent depending on the latex used, the coating properties needed, and the flame spread required.

NOTE: While **FRC EX4S** is an excellent flame retardant for many different latexes, each latex must be evaluated to determine the compatibility of the powder with the latex. All resulting mixtures must be evaluated to determine the desired flame retardant properties.

#### PACKAGING

The product is available in fiber drums, 300 pounds per drum.

#### HANDLING & STORAGE

Drums should be stored in a dry warehouse. Temperatures should not exceed 100° F for a prolonged period of time.

Handle in accordance with good industrial hygiene and safety practices. These include avoiding unnecessary exposure, and removal of the material from eyes, skin, and clothing. Proper dust control measures must be taken when handling the material.

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