

Non-halogen flame retardant meets ASTM B&C standard

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A new non-halogen amino phosphate flame-retardant additive has passed a critical building materials standard, verifying its flame retardance performance for the sector. [JJI Technologies'](#) (Painesville, OH) JJAZZ flame retardant passed the ASTM E84 Class B standard test method for surface-burning characteristics of building materials. JJI undertook independent, certified lab test to verify the additive. The test itself examines the comparative surface-burning characteristics of the material by observing flame spread along a specimen while measuring smoke density and temperature. The tested plaque with JJAZZ flame retardant additive exceeded standards for the ASTM E84 Class B Steiner Tunnel Test.

JJI's self-catalyzed intumescent flame retardant, JJAZZ, is described by the company as its "workhorse line" of non-halogen flame retardants. JJI says the self-catalyzed technology embedded within the flame retardant serves to enhance a finished product's physical performance, increase extinguishing efficiency, and simplify compounding.

The additive is supplied in three particle sizes including median sizes of 2.5-, 6-, and 12- μm . JJAZZ also satisfies Restriction of Hazardous substances (RoHS), Waste Electrical Electronic Equipment (WEEE), and Canadian Challenge regulations and has been pre-screened for REACH compliance in Europe.