

## § 7.21

public of such determinations, applicants may seek MSHA product approval based on such non-MSHA product safety standards.

[68 FR 36418, June 17, 2003, as amended at 71 FR 28583, May 17, 2006]

### Subpart B—Brattice Cloth and Ventilation Tubing

#### § 7.21 Purpose and effective date.

This subpart establishes the specific requirements for approval of brattice cloth and ventilation tubing. It is effective August 22, 1988. Applications for approval or extension of approval submitted after August 22, 1989, shall meet the requirements of this part.

#### § 7.22 Definitions.

The following definitions apply in this subpart:

*Brattice cloth.* A curtain of jute, plastic, or similar material used to control or direct ventilating air.

*Denier.* A unit of yarn size indicating the fineness of fiber of material based on the number of grams in a length of 9,000 meters.

*Film.* A sheet of flexible material applied to a scrim by pressure, temperature, adhesion, or other method.

*Scrim.* A substrate material of plastic or fabric laminated between or coated with a film.

*Ventilation tubing.* Rigid or flexible tubing used to convey ventilating air.

#### § 7.23 Application requirements.

(a) *Brattice cloth.* A single application may address two or more products if the products differ only in: weight of the finished product; weight or weave of the same fabric or scrim; or thickness or layers of the same film. Applications shall include the following information:

- (1) Trade name.
- (2) Product designations (for example, style and code number).
- (3) Color.
- (4) Type of brattice (for example, plastic or jute).
- (5) Weight of finished product.
- (6) Film: type, weight, thickness, supplier, supplier's stock number or designation, and percent of finished product by weight.

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(7) Scrim: Type, denier, weight, weave, the supplier, supplier's stock number or designation, and percent of finished product by weight.

(8) Adhesive: type, supplier, supplier's stock number or designation, and percent of finished product by weight.

(b) *Flexible ventilation tubing.* Applications shall include the product description information in paragraph (a) of this section and list the type of supporting structure, if applicable; inside diameters; and configurations.

(c) *Rigid ventilation tubing.* A single application may address two or more products if the products differ only in diameters, lengths, configuration, or average wall thickness. Applications shall include the following information:

- (1) Trade name.
- (2) Product designations (for example, style and code numbers).
- (3) Color.
- (4) Type of ventilation tubing (for example, fiberglass, plastic, or polyethylene).
- (5) Inside diameter, configuration, and average wall thickness.
- (6) Suspension system (for example, metal hooks).
- (7) Base material: type, supplier, the supplier's stock number, and percent of finished product by weight.
- (8) Resin: type, supplier, the supplier's stock number, and percent of finished product by weight.
- (9) Flame retardant, if added during manufacturing: type, supplier, the supplier's stock number, and percent of finished product by weight.

[53 FR 23500, June 22, 1988, as amended at 60 FR 33722, June 29, 1995]

#### § 7.24 Technical requirements.

(a) Brattice cloth shall be flame resistant when tested in accordance with the flame resistance test in § 7.27.

(b) Flexible ventilation tubing shall be manufactured using an MSHA-approved brattice cloth. If a supporting structure is used, it shall be metal or other noncombustible material which will not ignite, burn, support combustion or release flammable vapors when subjected to fire or heat.