



State of New Jersey

N.J.
111DEPARTMENT OF INSTITUTIONS AND AGENCIES
P. O. BOX 1237
TRENTON 08625

October 30, 1964

TO: ALL LICENSED FACILITIES INCLUDING:

HOSPITALS
 NURSING HOMES
 INFIRMARIES OF HOMES FOR AGED
 PRIVATE MENTAL HOSPITALS
 PRIVATE INSTITUTIONS FOR MENTALLY RETARDED
 INFIRMARIES OF RESIDENTIAL SCHOOLS
 MATERNITY HOMES

On January 30, 1964, this office notified all licensed facilities of new regulations dealing with the removal or protection of combustible interior finishes. Subsequently, by letter from this office dated April 17, 1964, these regulations were put in abeyance pending clarification of certain aspects thereof.

Review of these regulations has now been completed. Therefore, the notification of hold-in-abeyance as per this office's letter dated April 17, 1964, is now lifted. This letter is to notify all licensed facilities that the revised regulations, as per the attached copy, are now in effect.

We suggest that you carefully study the attached regulations as well as the specifications from the Office of the Fire Marshal, and that you proceed in accordance therewith. If there are any questions regarding them, you should immediately contact the Fire Marshal, whose address is incorporated on the bottom of page #4 of the regulations.

Sincerely yours,

F. Spencer Smith, Chief
 Bureau of Community Institutions

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REGULATIONS REGARDING THE REMOVAL OF CERTAIN COMBUSTIBLE AREAS IN ALL LICENSED FACILITIES OR THEIR PROTECTION BY APPLICATION OF APPROVED FIRE RETARDANT PAINT.

(Recommended by the Hospital Licensing Board on January 10, 1963, and approved by the State Board of Control on January 23, 1963.)

Institutions considering themselves free of conditions covered in the regulations listed below shall place on file with the Office of the State Fire Marshal, not later than January 15, 1965, a letter to that effect stating reasons why the institution is considered free of conditions listed below, the letter to be signed by the owner or his delegated representative.

Otherwise, licensees shall commence not later than January 30, 1965 to comply with the following regulations which shall be fully complied with not later than January 1, 1968.

1. Perforated and non-perforated combustible acoustical ceiling tiles (wood-fibre and sugar-cane types).
 - a. Remove and replace with incombustible acoustical tiles (mineral fibre types); or, as an alternative,
 - b. coat all existing tiles with approved fire retardant paint.
2. Combustible wainscoating (in hallways, lobbies, vestibules, corridors, stairways and auditoriums only.)
 - a. Remove wainscoating down to incombustible backing; and, if desired by owner, replace with incombustible wainscoating material; or, as an alternative,
 - b. coat all existing wainscoating with approved fire retardant paint.
3. Combustible partitions (in hallways, lobbies, vestibules, corridors, stairways and auditoriums only.)
 - a. Remove and replace with incombustible partitions; or, as an alternative,
 - b. coat existing partitions with approved fire retardant paint.
4. Wallpaper.
 - a. Single layer of wallpaper on incombustible backing. No corrective action required.
 - b. Wallpaper on combustible backing (i.e. fibreboard, etc.)
 - (1) Remove combustible backing and replace with incombustible backing; or, as an alternative,
 - (2) coat existing surfaces with approved fire retardant paint.

c. Multiple layers of wallpaper on incombustible backing.
This is in violation of requirements.

(1) Remove wallpaper to incombustible backing and repaper with one layer of wallpaper; or, as an alternative,

(2) coat existing surfaces with approved fire retardant paint.

5. Wallcoverings (other than wallpaper).

a. Cloth wallcoverings

(1) Remove down to incombustible backing; or, as an alternative,

(2) coat existing surface with approved fire retardant paint.

b. Plastic wallcoverings.

(1) If U.L. rated and listed flamespread of wallcovering is "25" or less, no corrective action is required.

(2) If there is no U.L. rating or listing, or the U.L. rating and listing of the wallcovering is in excess of "25", then:

(a) remove wallcovering down to incombustible backing; or, as an alternative,

(b) coat existing wallcovering surfaces with approved fire retardant paint.

6. Wooden basement and cellar ceilings.

a. Install ceiling of not less than 5/8 inch U.L. rated plasterboard, nailed to joists, cemented and taped at joints; or, as an alternative,

b. coat all ceiling wood (including joists and cross-bars) with approved fire retardant paint. Plug or seal all vertical openings prior to painting.

Note: If there exists a wood-lath or metal-lath ceiling under the joists and the plaster on such ceilings is broken or deteriorated, replace with sound plaster facing, or tear down broken lath and plaster to exposed wooden joists and proceed as per a. or b. above.

SPECIAL NOTES:

- A. If compliance of the above requirements is accomplished by means of applying approved fire retardant paint, all such surfaces when being repainted in the future, must be repainted with approved fire retardant paint.
- B. Sprinklers.
 1. Except as provided in 2. below, licensed facilities protected with a comprehensive automatic sprinkler system, shall be exempt from these regulations.
 2. Automatic sprinklers in areas where combustible acoustical tiles exist, shall be of a jet-nozzle type. If they are not of a jet-nozzle type, they shall be changed to the proper type nozzle, or the acoustical tiles shall be removed and replaced, or coated with approved fire retardant paint, as provided in Paragraph 1, a. and b.
- C. "Approved" fire retardant paint shall mean a product meeting the minimum requirements set forth in the attached specifications, and which product has been approved by the Office of the State Fire Marshal, State Department of Institutions and Agencies, P. O. Box 1237, Trenton, New Jersey 08625.

Procedure for Compliance:

1. Prior to commencement of compliance work, institutions shall forward to the Office of the State Fire Marshal a complete proposal listing:
 - a. Premises affected.
 - b. Specific areas of institution affected by this regulation and which areas shall be described as to: Type of finish (or construction) currently existing; number of square feet.
 - c. Method of compliance intended. If fire retardant paint is intended as method of compliance, trade name of paint to be used and approximate number of gallons of this paint expected to be applied.
 - d. Intended starting and completion dates.
2. No such work shall begin until the Office of the State Fire Marshal shall have forwarded to the institution a preliminary written approval of the methods intended to comply with the requirements listed above.

3. Upon full completion of compliance work in accordance with the proposal submitted by the institution and with the preliminary approval of the Office of the State Fire Marshal, the institution shall notify the Office of the State Fire Marshal in writing to that effect. In the event that fire retardant paint has been used as a means of compliance, a paint certificate furnished by the supplier of the paint, shall accompany the letter. Paint certificate shall show:
 - a. Trade name of paint supplied to institution.
 - b. Number of gallons sold to institution.
 - c. Name of buyer.
 - d. Date(s) of sale(s).
4. Upon the receipt of full compliance letter (and paint certificate where called for) and upon subsequent inspection by the Office of the State Fire Marshal, a letter of final approval shall be issued to the institution.

NOTE: Please address any questions or inquiries to:

Mr. Howard R. Hutchinson
Fire Marshal and Safety Director
State Department of Institutions and Agencies
P. O. Box 1237
Trenton, New Jersey 08625

OFFICE OF THE FIRE MARSHAL AND SAFETY DIRECTOR
STATE DEPARTMENT OF INSTITUTIONS AND AGENCIES
TRENTON, NEW JERSEY

REQUIREMENTS FOR APPROVAL OF FIRE RETARDANT PAINT

1. Fire retardant paint shall be of the "intumescent" type.
2. Fire retardant paint shall have been tested by Underwriters Laboratories (ASTM Method E-84-59T; NFPA Standard 255) and shall be rated by U.L., as having the following minimum ratings on wood:

Flamespread.....not to exceed "25"
Smoke developed.....not to exceed "50"
3. As many coats of fire retardant paint shall be applied at the U. L. specified coverage rate to bring the surface to the flamespread classification shown in Paragraph 2. above.
4. All cans of fire retardant paint shall bear U.L. production inspection labels.
5. Fire retardant paint shall be washable. When tested in accordance with Paragraph 4.5.5. of Federal Specification TT-P-0026b, the paint film shall not break down for a minimum of 2,000 strokes (1,000 cycles).
6. When subjected to a leaching test, the painted panels shall show an average weight loss of not more than 15 grams and a char volume no greater than 4.5 cubic inches, as specified in Paragraph 4.5.8. of Federal Specification TT-P-0026b.
7. Where fire retardant paint is not washable or leach resistant as per requirements above, an overcoat specified by the manufacturer of the fire retardant paint may be used over the fire retardant paint; provided, however, that the system of fire retardant paint plus overcoat is rated by Underwriters Laboratories as a system with minimum ratings as shown in Paragraph 2. above; and provided that the system shall meet washability and leaching tests as required in Paragraphs 5. and 6. above.
8. No fire retardant paint having a solvent with a flash point below 80 degrees F. shall be acceptable.
9. PAINTS APPROVED IN ONE-COAT APPLICATION.
 - a. ALBI-107A. Approved in one coat at 175 sq. ft. per gallon. (Albi Manufacturing Co., Inc., Rockville, Conn.)
 - b. FLAME-CRETE 321. Approved in one coat at 215 sq. ft. per gallon. (Flame-Crete Co. of America, Inc., Niagara Falls, New York)
 - c. OCEAN 900. Approved in one coat at 175 sq. ft. per gallon. (Ocean Chemicals, Inc., Niagara Falls, New York)

PAINTS APPROVED IN TWO-COAT APPLICATION

- d. SAF 303 - SAF 202. Meets requirements when one coat SAF 303 is applied at 150 sq. ft. per gallon coverage rate, overcoated with one coat SAF 202 at 500 sq. ft. per gallon coverage rate. (Manufactured by Baltimore Paint and Chemical Corp., Baltimore, Md.)

PRELIMINARY PROPOSAL
FOR INTENDED COMPLIANCE WITH FIRE REGULATIONS
OF N. J. DEPARTMENT OF INSTITUTIONS AND AGENCIES

(Note: Fill out this form and return to Office of State Fire Marshal, State Department of Institutions & Agencies, P. O. Box 1237, Trenton, N. J. 08625)

FROM: _____
DATE: _____

I. SPECIFIC AREAS FOR COMPLIANCE

Type of Finish	Location	No. of Floors	Total sq. ft.	Actual sq. ft.
1. Combustible acoustic tiles				
2. Combustible wainscoating				
3. Combustible partitions				
4. Wallpaper				
5. Plastic wallcovering				
6. Cloth wallcovering				

7. Wooden basement and cellar ceilings

Floor Area (length x width) Joists Dimension Actual sq. ft.

II. METHOD OF INTENDED COMPLIANCE

III. (Fill out only if intended compliance is through use of fire retardant paint.)

1. Trade name of paint to be used _____
 2. Number of coats of paint required for compliance _____
 3. Number of gallons of paint to be used for compliance _____
- Intended starting date of compliance work _____
Intended completion date of compliance _____

IV. Upon completion of work described above, we shall notify your office accordingly, attaching paint certificate, and requesting final inspection.

Signed _____