

APPLICATION OF ANTI-SLIP FLOOR FINISH

NON-WAX TYPE

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1. GENERAL

1.01 This section describes the procedures to be followed in applying and maintaining the recommended non-wax Anti-Slip Floor Finish on asphalt tile, linoleum, rubber and vinyl floor coverings.

1.02 It is reissued to recommend a new improved cleaner, Liquid Floor Cleaner, as a companion item, and to make general revisions as a result of field experience.

1.03 Anti-Slip Floor Finish is a water emulsion of plasticized resinous materials which provides a readily renewable protective coating of greater slip resistance than floor waxes.

1.04 Anti-Slip Floor Finish requires special care in its initial application to ensure an anti-slip surface. It is essential that all previously applied wax be removed from the floor by thorough cleaning. It is also important that any residues from the cleaning solution be thoroughly rinsed from the floor with clean warm water. Failure to remove old wax will result in a slippery floor. Residues of wax or alkaline cleaners are apt to produce a poor bond between the floor and the finish with subsequent excessive scratching and powdering.

1.05 Anti-Slip Floor Finish and floor waxes should not be used on different parts of the same floor, or in adjacent rooms, in so far as practicable, because of the contrasting slip resistance and the liability of tracking wax over on to the anti-slip finish.

1.06 Procedures for evaluating slip resistance are described in:

SECTION H51.119 - MEASUREMENT OF SLIP RESISTANCE OF RESILIENT FLOORS

2. TOOLS AND MATERIALS

2.01 To obtain satisfactory results with Anti-Slip Floor Finish it is essential that Liquid Floor Cleaner be used to prepare the floor regardless of the type of flooring.

2.02 Preparation of floor:

Container for cleaning solution  
Container for rinse water  
Container with wringer for dirty solution mopped up from the floor.

Mops, as follows:

Mop for applying and picking up cleaning solution  
Mop for rinse water  
Floor polishing machine (small, medium or large size two brush type) equipped with scrubbing brushes, or deck scrub brushes for small areas  
Liquid Floor Cleaner  
Putty knife  
Cellulose sponge for wiping splatterings from surbases, furniture bases, etc.  
Water, preferably warm  
Caution signs

2.03 Application of Anti-Slip Floor Finish:

Pail and wringer or mop tank  
Mop reserved for Anti-Slip Floor Finish  
Anti-Slip Floor Finish  
Caution signs

3. PREPARATION OF FLOOR

3.01 Caution signs reading, "CAUTION - FLOOR BEING CLEANED," are placed where they will prevent persons from inadvertently walking upon the wet floor.

3.02 Procedures to be followed in mopping and scrubbing are given in Bell System Prac-

## SECTION H51.102

tices, Section H51.107, Floor Mopping and Scrubbing. However, certain details and precautions should be observed to obtain best results with Anti-Slip Floor Finish. These are outlined in the following paragraphs.

**3.03 Stripping Previously Waxed Floor:** Machine scrubbing of old floors that have been previously waxed, or new floors with factory finish, is necessary before initial application of Anti-Slip Floor Finish to ensure removal of all previously applied wax or factory finish. Liquid Floor Cleaner is diluted in the ratio of one part cleaner to 10 parts of moderately hot water, about 130°F. Spread the cleaning solution over an area of approximately 200 square feet of floor space per man. Avoid the application of excessive amounts of cleaning solution to prevent possible action on the seams of the floor covering. Allow cleaner to remain in contact with floor for about 3 minutes to permit softening and emulsification of the old wax film. Scrub thoroughly with floor polishing machine. Pick up and rinse as described in Paragraph 3.05.

**3.04 Stripping Floor Previously Maintained with Anti-Slip Floor Finish:** Periodically it becomes advisable to completely remove old Anti-Slip Floor Finish to get a fresh start. Liquid Floor Cleaner is diluted in the ratio of one part cleaner to 16 parts of moderately hot water, about 130°F. Spread the cleaning solution over an area of approximately 200 square feet of floor surface per man. Allow cleaner to remain in contact with floor for about 3 minutes to permit chemical action to loosen the finish. Mop scrub or scrub with floor polishing machine. Pick up and rinse as described in Paragraph 3.05.

**3.05 Pick up and Rinsing:** Pick up the dirty cleaning solution with the mop used for applying the cleaning solution and wring into the separate waste container. The dirty solution should be picked up so that the floor appears clean and nearly dry. Using the rinsing mop thoroughly rinse with clean warm water, at least two times to remove all traces of old wax and cleaning material. Wring dirty rinse water into the waste container. Dry floor as much as possible with the wrung rinsing mop.

**3.06** When the floor has dried, examine the surface to be sure that no wax is present as evidenced by high lights, i.e., streaky or spotty sheen areas when viewed toward light. However, when the floor is being reconditioned after resin has previously been used, there is no need to remove all traces of the old resin film.

**3.07** In cutting over an old floor from wax to anti-slip, there may be wax in the pores of the floor even though there is no visible surface evidence. Under these conditions initial applications of Anti-Slip Floor Finish may not have maximum bond and anti-slip properties. It will be found that these properties in most cases improve with subsequent routine strippings and anti-slip reapplications. This may also be true of new floors where special attention may be necessary to ensure complete removal of factory finish.

## 4. APPLICATION OF ANTI-SLIP FLOOR FINISH

**4.01** Caution signs should remain in place while the anti-slip floor treatment is being applied to warn occupants against the possibilities of slipping on the wet floor.

**4.02** Where practicable, begin applying the finish at the point farthest from the exit and work toward the exit. It is important that the anti-slip finish be applied thinly and evenly.

**4.03** Apply the finish in full strength, i.e., as received. Apply with a thoroughly clean mop which has been immersed in clean water and wrung as dry as possible with a mop wringer. Mops which have been previously used for applying wax must not be used for applying anti-slip finish. A separate mop is specially reserved for this purpose.

**4.04** Pour the finish from the container into a clean pail, equipped with a wringer. Fill the pail about one-third full unless a smaller quantity is sufficient for the job at hand. Dip the dampened and wrung mop into the finish and then wring it sufficiently so that it will not drip. Apply the finish to the floor using side to side or forward and back strokes as required, carefully spreading the finish thinly and evenly. Do not attempt to respread the finish while it is drying.

**4.05** Allow at least 20 minutes for drying between coats. For initial applications apply two coats. If the floor is porous a third coat may be necessary. While coverage will vary somewhat with the person applying the finish and the porosity of the floor, normal coverage is about 1500 square feet per gallon of finish for a two coat application.

**4.06** On the second and third coats do not apply the finish closer than six inches to surbases of walls and columns, or to filing cabinets resting directly on the floor, or to similar permanently placed equipment or furnishings.

The additional coats should not be applied under desk pedestals, sanitary bases of filing cabinets or other furniture, or on any areas which are not walked upon.

4.07 Allow at least one hour following the final application before opening the area to traffic. The finished job should have a luster, should not show streaks or mop strand marks, skipped areas, dull areas or other evidence of uneven application.

4.08 Any Anti-Slip Floor Finish remaining in the pail after the application has been completed should not be poured back into the original container. If any substantial amount remains it should be placed in a separate container for reuse at the next application. Anti-Slip Floor Finish containers should be kept well capped to properly preserve the contents. Anti-Slip Floor Finish may deteriorate on aging. Cans are dated to facilitate rotation of stocks. Aging results in jelling or the formation of excessive sediment but this should not occur within one year.

#### 5. ROUTINE CARE

5.01 For the routine care of floors on which Anti-Slip Floor Finish has been applied, proceed as follows:

- (a) Day-to-day cleaning consists of dustless sweeping as covered by:

SECTION H51.104.1 - SWEEPING, DUSTLESS,  
DAMP CLOTH METHOD, OR

SECTION H51.104.2 - SWEEPING, DUSTLESS,  
TREATED CLOTH METHOD

5.02 Over-all Refreshing of Anti-Slip Floor Finish to Defer Reconditioning Intervals Is Accomplished as Follows: Wet mop with a warm solution of Liquid Floor Cleaner, one part to 40 parts of water, to remove surface soil, abrasions, and top film of Anti-Slip Floor Finish. Rinse once with clean warm water. Allow to dry and apply one coat of full strength Anti-Slip Floor Finish. This operation may be done on a spot cleaning or over-all basis, and may be repeated several times before a complete reconditioning becomes necessary as described in Part 3.

5.03 Buffing Anti-Slip Floor Finish is not recommended as the surface is so hard that buffing has little beneficial effect.

#### 6. CARE OF TOOLS

6.01 Clean the pails and mop wringers and put them away in their storage places.

6.02 Clean the mops within a few minutes after their use, i.e., before the finish has set. This is done by immersing the mop in clean water, preferably warm, for a few minutes followed by two or three rinsings. Hang the mops (strands down) in a clean, well ventilated place where they can readily dry.

6.03 Wipe off the electric floor polishing machine following use, with a damp cellulose sponge.

6.04 Restore the caution signs to their storage places.