

MFR: CONGOLEUM CORPORATION

CODE: 09650/COM-BuyLine 1787

PRODUCT: Sheet Vinyl Flooring, Foundations™, SX Series™ Commercial Inlaid Flooring

CONTACT: P.O. Box 3127

Mercerville, NJ 08619

Phone 609-584-3000

FAX 609-584-3518

Foundations is a heavy-duty, inlaid sheet vinyl flooring recommended for most commercial applications. SX Series is designed for use where a lower gauge product may be acceptable.

- Through-Chip Inlaid Construction for Outstanding Durability; Foundations can be heat welded and is recommended for Operating Rooms
- Meets Reference Specifications:
 - Foundations
 - ASTM F 1303-90, Type II, Grade 1
 - L-F-475a(3), Type II, Grade A
 - MIL STD-1623D for deck covering
 - SX Series
 - ASTM F 1303-90, Type II, Grade 2
 - L-F-475a(3), Type II, Grade B
- BAC STOP Mildew Protection Guards Against Discoloration from Mildew
- 6-Foot Width
- Gauge:
 - Foundations
 - 0.080" (2.05 mm) overall
 - 0.050" (1.28mm) wearlayer
 - SX Series
 - 0.065" (1.67mm) overall
 - 0.035" (0.90mm) wearlayer
- Available in 1 design and 17 colorations

Foundations

C1250 Ebony

C1251 Steel

C1252 Black/White

C1253 White

C1254 Mushroom

C1255 Pebble

C1256 Beige/White

C1257 Blue/White

C1258 Coastal Blue

C1259 Confetti

C1260 Berry Blossom

C1261 Teal/Plum

C1262 Wine

C1263 Plummit

C1264 Earth/Taupe

C1265 Renaissance Rose

C1266 Seafoam

SX Series

SX250 Ebony
SX251 Steel
SX253 White
SX254 Mushroom
SX255 Pebble
SX258 Coastal Blue
SX264 Earth/Taupe
SX266 Seafoam

ARCHITECTURAL SPECIFICATIONS

PART 1 - GENERAL

- 1.01 This section shall conform and be complimentary to the drawings and general provisions of the contract, including General and Supplementary Conditions and other Division 1 specification sections. In no way shall any part of this section alter or waive any part of those conditions.
- 1.02 Scope of work covered by this section is all work shown on the plans or reasonably inferred therefrom for the complete installation of resilient flooring.
- 1.03 Provide each type of resilient flooring and accessories as produced by a single manufacturer, including recommended primers, adhesives, sealant, and leveling compounds.
- 1.04 SUBMITTALS:
- A. For initial selection of colors and patterns submit, prior to above, samples in form of actual sections of resilient flooring, including accessories, showing full range of colors and patterns available, for each type of resilient flooring required.
- B. Submit 6 copies of manufacturer's recommended maintenance practices for each type of resilient flooring and accessories required.
- C. After completion of work, submit replacement materials from same manufactured lot as materials installed, as follows:

For sheet flooring, 10 square yards for each type, pattern, and color installed.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS:

Subject to compliance with requirements, manufacturers offering products which may be incorporated in the work include the following:

Inlaid Sheet Vinyl Flooring

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2.02 MATERIALS:

A. Inlaid Sheet Vinyl Flooring

Foundations™ Commercial Inlaid Sheet Vinyl Flooring, an inlaid sheet vinyl flooring having a minimum overall thickness of .080". The vinyl resin composition wearlayer is a minimum of .050". The through-color inlaid vinyl chips are uniformly dispersed throughout the sheet, extending from the surface through to the White Shield filled fibrous composition backing. Foundations is 6' wide and is available in rolls up to 120' in length.

B. Standards

Applicable Standards:

- ASTM F 1303-90, Type II, Grade 1
- L-F-475a(3) Type II, Grade A
- MIL STD-1623D for Deck Covering

Fire Test Data:

- ASTM E 648; NFPA-253; Critical Radiant Flux - 0.45 watts/cm² or greater
- ASTM E 662; NFPA-258; NBS Smoke Density - 450 or less

Recommended Load Limit:

- 150 psi

C. Colors and Patterns

Foundation color number _____ (give color number)

D. Adhesives

Provide Congoleum 3044 Commercial Flooring Adhesive, Congoleum SU80 or SU92 Seam Sealer, or Congoleum Heat Welding Rod.

E. Leveling Compound

Portland cement-latex patching compound.

PART 3 - EXECUTION

3.01 PREPARATION

- The subfloor surface must be clean, dry, smooth, level, structurally sound, and free of extraneous materials including grease, wax, paint, and adhesive residue.
- Fill cracks, holes, and uneven areas with a portland cement-latex patching compound. Gypsum-based compounds and underlayments are not recommended by Congoleum for commercial flooring applications.
- Concrete floors should be constructed, finished, and cured in accordance with the American Concrete institute (ACI) 302 "Guide for Concrete Floor and Slab Construction," Class 2 or 4, and have a minimum compressive strength of 3500 PSI. On- and below-grade concrete floors must be constructed with an effective moisture barrier. Conduct moisture tests to determine if concrete floors are sufficiently dry prior to installation. Allow new concrete to dry for at least 6 weeks before conducting moisture test.
- Wood floors must be double-layer construction, a minimum 1" (25.6 mm) thick with at least

18" (457 mm) of well-ventilated air space below structural supports. Veneer plywood panels with the American Plywood Association (APA) trademark which include one of the following grade designations are suitable underlayments for resilient flooring: underlayment, underlayment A-C or B-C or C-C plugged, and C-C plugged exterior. Underlayment for resilient flooring must have a fully sanded surface and an exposure 1 or exterior exposure rating. Install APA-rated underlayment following the procedures outlined in the brochure titled "*Installation and Preparation of Plywood Underlayment for Thin Resilient (Non-Textile) Flooring*" (APA Form L335F).

- E. Foundations may also be installed over properly prepared metal, terrazzo, ceramic tile, marble, and qualifying non-cushioned sheet vinyl or tile. For detailed information, refer to the brochure titled, "*Congoleum Commercial Flooring Manual*" (M2483).

3.02 JOB CONDITIONS:

- A. Maintain minimum temperature of 68° F in spaces to receive resilient flooring for at least 48 hours prior to installation, during installation, and for not less than 48 hours after installation. Store resilient flooring materials in spaces where they will be installed for at least 48 hours before beginning installation. Subsequently, maintain minimum temperature of 55° F in areas where work is completed.
- B. Install resilient flooring and accessories after other finishing operations, including painting, have been completed.

3.03 INSTALLATION:

Refer to Congoleum Commercial Flooring installation Manual (M2483) for complete detailed installation and subfloor recommendations.

- A. Install Foundations by the conventional fully adhered method with Congoleum 3044 Commercial Flooring Adhesive under the entire floor, including the seam area.
- B. Cut seams by the recess scribe method and chemically top weld with Congoleum SU80 or SU92 Seam Sealer or heat weld with Congoleum Heat Welding Rod. Chemical top welded seams must be sealed by the end of the day and protected from dust and traffic for at least two (2) hours or until dry. If heat welding is required, allow adhesive to dry for at least 24 hours before welding seams.
- C. Avoid rolling loads and heavy traffic until adhesive sets hard (minimum 48 hours). Thereafter, use plywood or hardboard to protect the floor when returning or moving furniture, appliances, or equipment.

3.04 CLEANING AND PROTECTION

A. Initial Maintenance:

1. Allow adhesive to dry a minimum of 48 hours before washing or waxing the floor.
2. Remove scuffs and adhesive smears with a neutral cleaner as recommended by Congoleum.
3. Damp-mop with a dilute solution of Congoleum Commercial No-Rinse Cleaner and rinse with water. Avoid flooding the floor.

4. Allow floor to dry and apply three to five thin coats of Congoleum Commercial Floor Polish following all label instructions. Five coats are recommended in medium to heavy commercial applications.
5. Protect the floor with heavy kraft paper like FortiFiber Seekure® on construction sites where other trades are active. DO NOT USE ASPHALT SATURATED FELT OR PAPER.

B. Regular Maintenance

1. Vacuum, sweep, or dust with an untreated mop, daily, to remove loose dirt and grit. Do not use sweeping compounds or oil treated mops.
2. Damp-mop floor regularly with a dilute solution of Congoleum No-Rinse Cleaner following label instructions. To remove heavy soil use a slow speed floor machine equipped with a medium-grade, natural fiber scrubbing brush and a concentrated cleaner. Rinse floor after scrubbing.
3. To refurbish and restore the gloss, clean the floor and spray buff with a high speed floor machine (1000 to 1500 RPM) equipped with a white, tan, or red-colored buffing pad. A dilute solution (1 part polish/2 parts water) can be used for spray buffing.
4. After repeated spray buffing operations, additional coats of polish must be applied.

C. Periodic Maintenance

1. Periodically, once or twice a year or as needed, strip the floor polish to avoid buildup.
2. Use a floor machine (170 to 330 RPM) equipped with a blue or green pad of a natural fiber, medium-grade scrubbing brush and a liquid stripping solution such as Congoleum Stripper/Polish Remover following label instructions.
3. Use a wet/dry vacuum to remove the residual polish and stripping solution.
4. Rinse the floor thoroughly with a clean mop, changing water frequently. Allow to dry.
5. Re-apply two to five thin coats of floor polish.

END OF RESILIENT FLOORING SECTION

WARRANTY

Product will have a 5-Year Limited Warranty against manufacturing defects and color change due to mildew and/or alkali.