

1 General

1.1 SUMMARY

SPEC NOTE: This Specification has been prepared to assist the Specifier in preparing a Project or Master Specification. It follows guidelines established by Construction Specifications Canada (CSC) and therefore may be used with most Master Specification systems with minor editing.

SPEC NOTE: Following is written as a complete stand alone Master Specification Section for provision of prefabricated resilient cove base on a Project. It can also be used as supplementary information for incorporation into another resilient flooring Specification Section. Spec Notes will identify which articles or paragraphs should be copied into another resilient flooring Specification Section as applicable.

- .1 Section Includes: Provide prefabricated resilient cove base including but not limited to following:

SPEC NOTE: Copy following paragraph into other flooring Specification.

- .1 prefabricated flash cove base fabricated from [resilient sheet [safety] flooring] [linoleum] Product used for field and stainless steel cap (chiklet).
- .2 Related Sections: Following description of work is included for reference only and shall not be presumed complete:
- .1 Supply of resilient sheet flooring material for manufacturing prefabricated flash cove base: Section 09 65 16, Resilient Sheet Flooring.
- .2 Supply of resilient sheet safety flooring material for manufacturing prefabricated flash cove base: Section 09 65 17, Resilient Sheet Safety Flooring.
- .3 Supply of linoleum sheet flooring material for manufacturing prefabricated flash cove base: Section 09 65 18, Linoleum.

1.2 REFERENCES

.1 Reference Standards:

- .1 ASTM F710-08 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
- .2 ASTM F1869-04 - Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride

1.3 ADMINISTRATIVE REQUIREMENTS

SPEC NOTE: Copy following paragraph into other flooring Specification.

- .1 Coordination: Coordinate installation of prefabricated flash cove bases with [resilient sheet [safety] flooring] [linoleum] installation.
- .2 Preinstallation Meetings: Arrange preinstallation meeting 1 week prior to commencing work with all parties associated with trade as designated in Contract Documents or as requested by Consultant. Presided over by Contractor, include Consultant who may attend, Subcontractor performing work of this trade, Owner's representative, testing company's representative and consultants of applicable discipline. Review Contract Documents for work included under this trade and determine complete understanding of requirements and responsibilities relative to work included, storage and handling of materials, materials to be used, installation of materials, sequence and quality control, Project staffing, restrictions on areas of work and other matters affecting construction, to permit compliance with intent of work of this Section.

1.4 SUBMITTALS

- .1 Prefabricated Flash Cove Base Samples:

SPEC NOTE: Copy following paragraph into other flooring Specification.

- .1 Submit duplicate 300 mm (12") long samples of prefabricated flash cove bases in accordance with Section [01 30 00] [01 33 33].

SPEC NOTE: Copy following paragraph into other flooring Specification.

- .2 Ensure samples represent riser heights and toe widths specified, 1 completed inside corner and 1 completed outside corner with seams sealed and finished.
- .3 Produce samples in specified flooring materials and selected colours.

1.5 CLOSEOUT SUBMITTALS

- .1 Operational and Maintenance Data: Provide care and maintenance data for prefabricated flash cove bases for incorporation into Operations and Maintenance manual specified in Section [01 70 00] [01 78 23].

1.6 MAINTENANCE MATERIAL SUBMITTALS

SPEC NOTE: Copy following paragraph into other flooring Specification.

- .1 Extra Stock Materials: Deliver [6 m (20')] in 3 m (10') lengths, of prefabricated flash cove bases for each colour and type of flooring material used in the Work, for maintenance use in accordance with Section [01 70 00] [01 78 46].

1.7 QUALITY ASSURANCE

.1 Qualifications:

- .1 Installers: Ensure installers of prefabricated flash cove bases have a minimum of 5 years documented experience in installation of prefabricated flash cove bases and are certified by manufacturer as an “approved installer”, having received necessary training from prefabricated flash cove base manufacturer. Submit documentation to Consultant prior to commencement of work of this Section.

.2 Mock-Up:

SPEC NOTE: Copy following paragraph into other flooring Specification.

- .1 Construct a mock-up of prefabricated flash cove base specified in this Section, for review by Consultant in accordance with Section [01 40 00] [01 43 39].

SPEC NOTE: Copy following paragraph into other flooring Specification.

- .2 Construct mock-up minimum 1.5 m x 1.5m (5' x 5') with 1 completed inside [and 1 outside] corner, in specified material and colour.
- .3 Notify Consultant of completion of mock-up and allow minimum 48 hours for review.
- .4 Where approved by Consultant, mock-up may remain as part of the Work. Approved mock-up serves as minimum acceptable standard for remainder of installation.
- .5 Where mock-up is rejected, correct deficiencies or replace mock-up as directed by Consultant and request subsequent reviews until approved.

1.8 DELIVERY, STORAGE AND HANDLING

- .1 Delivery and Acceptance Requirements: Deliver prefabricated flash cove bases in original packaging clearly labeled with Project information, flooring material, location and other pertinent information clearly identified.

.2 Storage and Handling Requirements:

- .1 Store materials flat on clean, dry floor area, away from construction activities to prevent damage.
- .2 Remove packaging prior to installation and allow prefabricated flash cove bases to acclimatize according to manufacturer's recommendations.

1.9 SITE CONDITIONS

- .1 Ambient Conditions: Maintain ambient air temperature at flooring installation area above 20 deg C (68 deg F) for a minimum of 72 hours prior to installation, during installation and for a minimum of 72 hours after installation. Temporary heat is not acceptable.

1.10 WARRANTY

SPEC NOTE: Copy following paragraph into other flooring Specification.

- .1 Manufacturer Warranty: Warrant prefabricated flash cove base for lifetime against defects and/or deficiencies in accordance with General Conditions of the Contract. Promptly correct any defects or deficiencies which become apparent within warranty period, to satisfaction of Consultant and at no expense to Owner. Defects include but are not limited to punctures through aluminum backing at cove radius provided prefabricated flash cove base was installed professionally in accordance with manufacturer's written specifications.

2 Products

2.1 MATERIALS

SPEC NOTE: Copy following paragraph into other flooring Specification.

- .1 Prefabricated Flash Cove Bases: Fabricated from same material and dye lots as [resilient sheet [safety] flooring] [linoleum], in maximum practical lengths, with 38 mm x 38 mm (1-1/2" x 1-1/2") formed aluminum reinforcing bonded to back of base material. Acceptable Product: "FlashCove™ Prefabricated Bases" by FlashCove™ Prefabricated Bases Inc.; www.flashcove.com and as follows:

SPEC NOTE: Typically risers and toes are manufactured to following dimensions, but they may be fabricated in any dimension to a maximum of 305 mm (12") in either the riser or toe dimension. Edit accordingly.

- .1 Riser: [100] mm ([4"]).
- .2 Toe: [75] mm ([3"]).

SPEC NOTE: Copy following paragraph into other flooring Specification.

- .2 Metal Base Cap: For adhesive installation; stainless steel cap; "chiklet" by FlashCove™ Prefabricated Bases Inc.; www.flashcove.com.

SPEC NOTE: Copy following paragraph into other flooring Specification.

- .3 Prefabricated Flash Cove Base Adhesive: Low-VOC premium cove base adhesive recommended by both flooring and prefabricated flash cove base manufacturer.

- .4 Concrete Moisture Emission Reducer: Provide 1 of following:
 - .1 “Poxycrete” by Duochem Inc.
 - .2 “Flextech 4010 Moisture Barrier” by Flextile Ltd.
 - .3 “Koester VAP I® 2000” by Koester American Corporation.
 - .4 “Sikafloor® 81 EpoCem^{CA}” by Sika Canada Inc.

3 Execution

3.1 EXAMINATION

.1 Verification of Conditions:

- .1 Verify actual site dimensions and location of adjacent materials prior to commencing work. Notify Consultant in writing of any conditions which would be detrimental to the installation.
- .2 Ensure concrete floor to receive resilient flooring and prefabricated flash cove base has been prepared in accordance with ASTM F710.

.2 Preinstallation Testing:

SPEC NOTE: Remove following bracketed phrase if this is being added into other flooring Specification.

- .1 [In conjunction with flooring manufacturer] Perform calcium chloride test no earlier than 28 Days after concrete has been placed through an independent testing organization, in accordance with requirements of ASTM F1869 immediately prior to installation of prefabricated flash cove base for moisture on concrete floors around perimeter of areas, at columns and where moisture may be anticipated. Conduct 3 tests for first 93 m² (1000 sq ft) and 1 additional test for every 93 m² (1000 sq ft). Ensure moisture emission from concrete floor does not exceed 2.26 kg/93 m² (5 lbs/1000 sq ft) in 24 hours. Do not proceed with installation until moisture problem has been corrected. Provide results to Consultant prior to commencement of installation including diagram of area tested showing location of each moisture test.
- .2 When concrete moisture emission rate is between 2.26 kg/93 m² (5 lbs/1000 sq ft) and 4.53 kg/93 m² (10 lbs/1000 sq ft) in 24 hours use either a concrete moisture emission reducer or a high moisture tolerant adhesive.

SPEC NOTE: Alkalinity, pH scale runs from 0 to 14 with 7 being neutral. Below 7 is considered acidic, above 7 is considered alkaline. The most common test is to use a wide range pH paper or tape.

SPEC NOTE: Remove following bracketed phrase if this is being added into other flooring Specification.

.3 [In conjunction with flooring manufacturer] Perform pH test no earlier than 28 Days after concrete has been placed through an independent testing organization, to ensure alkali salt residue is between 5 and 9. If pH results are higher than 9, report to Consultant, Contractor or Owner for investigation and remedial action. Also refer to manufacturer for ways to neutralize floor prior to beginning of installation. Neutralize by sanding, vacuuming and/or by water plus mild sulfuric or sulfamic acid application as recommended by manufacturer. Retest to assure pH has been neutralized.

.3 Evaluation and Assessment: Commencement of work implies acceptance of previously completed work.

3.2 INSTALLATION

SPEC NOTE: Copy following paragraph into other flooring Specification.

.1 Prefabricated Flash Cove Base Application:

- .1 Provide prefabricated flash cove base for integral base indicated in Finish Schedule.
- .2 Dry-fit prefabricated flash cove base; cut and fit material to required lengths. Mitre-cut inside and outside corners.
- .3 Dry-fit and cut metal cove cap prior to prefabricated flash cove base installation.
- .4 Scribe glue line on walls and floor at edge of prefabricated flash cove base material.
- .5 Apply adhesive in full spread (100% coverage on 2 surfaces) for full length of prefabricated flash cove base material. Apply prefabricated flash cove base to wall surface straight and level.
- .6 Slide metal base cap behind prefabricated flash cove base material.
- .7 Hand roll prefabricated flash cove base material onto wall and floor surface removing bumps, ripples and fishmouths. Remove excess adhesive.
- .8 [Heat weld][Seam seal] seams (vertical and horizontal) in prefabricated flash cove base material.

3.3 PROTECTION

SPEC NOTE: Copy following paragraph into other flooring Specification.

- .1 Protect prefabricated flash cove bases from scratches, gouges, scuff marks and other damage from time initial surface protection application until final inspection.

END OF SECTION