STANDARD FLOORING DETAILS guide
**TYPICAL LEADING EDGE TERMINATION DETAIL FOR SELF LEVELING AND LAMINATE FLOORING SYSTEMS**

N.T.S.

**TYPICAL LEADING EDGE TERMINATION DETAIL FOR MORTAR FLOORING SYSTEMS**

N.T.S.

FlorLine flooring system

Existing concrete substrate

Sawcut termination

1/4" wide

1/4" deep

Chip concrete back from 1/4" depth over 3" for transition

Min. 3"

1/2" deep sawcut

Exist. concrete floor or other finish

Existing concrete substrate

Sawcut termination
**TYPICAL TERMINATION DETAIL FOR MORTAR AT NOSE ANGLE IRON AT LOADING DOCK OR BUILDING JOINT** (FOR HEAVY TRAFFIC USES)

N.T.S.

- Embedded nosing angle iron
- Chip concrete back from 1/4" depth over 6" for transition
- Min. 6"
- FlorLine flooring systems

---

**TYPICAL TERMINATION DETAIL FOR MORTAR & LAMINATE AT CIRCULAR FLOOR DRAIN**

N.T.S.

- FlorLine flooring system
- Cast-in-place circular floor drain
- Chip concrete back from 1/2" depth over 3" for transition
- Min. 3"
- 1/2" deep sawcut (laminate flooring*)

---

Note: Chip concrete back from 1/2" deep at embedded drain up to prepared surface over minimum of 3" to form transition

This same detail should be used for terminations of flooring systems at steel plate embedded in concrete slabs.

*This same detail should be used for self leveling and laminate flooring systems except with sawcut to be 1/4" deep.
Typical Laminate and Mortar Flooring
Detail Treatment for Bridging Multiple Hairline Cracks
N.T.S.

FlorLine flooring system

Fiberglass cloth reinforced

Existing concrete substrate

Abrade or shotblast deeper (20-40 mils) 2” each side of isolated cracks, prime and apply flexible underlayment in this area and install flooring system over area.

For flooring with isolated cracks where no evidence of crack movement of settlement in floor occurs on either side of crack and where floor not exposed to drastic thermal change.

FlorLine flooring system

Flexible underlayment 30-40 mils

Existing concrete substrate

Abraade or shotblast deeper (20-40 mils) 2” each side of isolated cracks, prime and apply flexible underlayment in this area and install flooring system over area.

Use 30-40 mils as flexible underlayment to bridge hairline cracks in floors where no evidence of settlement and where floor not exposed to drastic thermal change.
TYPICAL LAMINATE AND MORTAR DETAIL
TREATMENT FOR MOVING CRACKS

N.T.S.

Chip concrete back from 1/2"
depth over 3" total for transition

FlorLine flooring system

1 1/2"

1/8" deep sawcut

Existing concrete substrate

1/2" deep sawcut

Treat cracks that are 1/16" wide or wider and cracks that show evidence
of movement (open) or differential movement with this detail.
Typical Section Existing Sawcut Control Joint

Existing concrete substrate

1/3" depth of slab or 1 1/2" minimum

Sawcut control joint

Flexible joint sealant

FlorLine mortar flooring system

1/2" deep sawcut

For light vehicular traffic applications install floor over control joint, allow to cure, then sawcut and fill with flexible joint sealant.

Alternate Methods of Treatment
A, B or C Typical Detail Treatment for Control Joints

Flexible joint sealant mark joint location for re-sawcutting

A

Existing concrete substrate

FlorLine mortar flooring system

1/2" deep sawcut
ALTERNATE METHODS OF TREATMENT
A, B OR C TYPICAL DETAIL TREATMENT FOR
CONTROL JOINTS

For heavy vehicular traffic conditions, build nose detail by chipping concrete out to 1/2" depth at joint back 1 1/2" min. to 1/4" deep sawcut on both sides of joint, install nosing material, install flooring system, resawcut joint 1/8" wide to 1/2" depth and fill sawcut with flexible joint sealant.

For very light vehicular traffic applications or heavy foot traffic only, abrade or shotblast deeper on each side of joint (30-40 mils deeper), install @ 30-40 mils and install flooring system. Tape reinforcing can be used as an option to increase tensile strength of the floor system over the joint.
Typical Section Existing Sawcut Control Joint

Existing concrete substrate

Sawcut control joint

1/3" depth of slab

ALTERNATE METHODS OF TREATMENT
A AND B TYPICAL DETAIL FOR SELF LEVELING AND LAMINATED FLOORING SYSTEMS

FlorLine flooring system

Flexible joint sealant mark

Joint location for resawcutting

1/4" deep sawcut

Existing concrete substrate

For light vehicular traffic applications overlay floor over control joint, allow to cure, then sawcut and fill with flexible joint sealant.

Treat contraction joints using same methods for self leveling or laminate floor systems.
For very light vehicular traffic applications or heavy foot traffic only, abrade or shotblast deeper on each side of joint (30-40 mils deeper), install @ 30-40 mils and install flooring system. Tape reinforcing can be used as an option to increase tensile strength of the floor system over the joint.
Alternate methods for treatment of construction joints should be the same as control joints. Use methods A or B or consult with FlorLine technical service for further technical advice.
Typical Detail Treatment for Mortar at Construction Joints

FlorLine flooring system

1/8" deep sawcut to keep chase straight

Chip concrete back from 1/2" depth over 3" total for transition

1 1/2" each side

1/4" deep sawcut

1/2" deep sawcut

Existing concrete substrate

Rebar

This same detail should be installed at isolation except where occur between floor slabs and walls, curbs, equipment bases etc.
TYPICAL ISOLATION JOINT TREATMENT FOR LAMINATE AND MORTAR AT WALL/FLOOR JUNCTION WHERE NO COVE BASE REQUIRED

N.T.S.

FlorLine flooring system

Backer rod and flexible joint sealant

Concrete or CMU wall, etc.

Existing concrete substrate

Existing isolation joint material
TYPICAL ISOLATION JOINT TREATMENT FOR LAMINATE AND MORTAR AT WALL/FLOOR JUNCTION WHERE COVE BASE REQUIRED

N.T.S.

“Once cove base cured, cut joint board off ¾” 1” below top of cove base and install backer rod and flexible joint sealant.”

FlorLine flooring system

Install joint board material

Install cant or cove* rolled radius cove base

Concrete or CMU wall, etc.

Existing concrete substrate

Existing isolation joint material

Backer rod and flexible joint sealant

Joint board

Concrete or CMU wall, etc.

FlorLine flooring system

Rolled radius cove base

Existing concrete substrate

Existing isolation joint material
TYPICAL EXPANSION JOINT TREATMENT DETAIL

Backer rod compressed min 25% and flex. joint sealant

Existing concrete substrate

FlorLine flooring system

1/2"

1/4"

Note: Flexible joint sealant width to depth ratio showed approximate 2:1. Detail can be built by installing floor system over joint, resawcutting and installing backer rod and sealant.

TYPICAL CANT COVE BASE DETAIL
FOR LAMINATE & MORTAR SYSTEMS

General note: Use dry mixed trowelable version of flooring systems to build cove bases.