



VI

**Adhesives, Trowel
Notchings, Seam
Treatments & Grout**

VI. Adhesives, Trowel Notchings, Seam Treatments & Grout

A. WORK AREA PREPARATION

When applying adhesives, be sure to follow all instructions regarding the need for proper ventilation of the work area. Good work hygiene practices require careful review of all safety and health warnings and instructions contained in labels, specifications, instruction sheets, material safety data sheets and other similar publications. See Work Site Environment statement at the end of Chapter III.

B. ADHESIVE APPLICATION

Most flooring adhesives are applied with a notched trowel. The size of the notching is important because it controls the amount of adhesive applied. Notches which are too large, spread too much adhesive. This can cause excessive indentations to show through sheet goods and trowel-mark show-through or bleeding at tile joints. Using too much adhesive with Interflex material can cause swelling and buckling where the adhesive is applied. Always check the adhesive label for the proper notching.

Substrates must be dry, clean, smooth and free from paint, varnish, wax, oils, solvents and other foreign matter. Dust and dirt on the subfloor will hamper the application and bonding of the new adhesive.

Check the amount of working time and open time for each adhesive. Open time is the amount of time recommended for the adhesive to set before it is covered with the flooring. Working time for tile is the amount of time from when the adhesive is set until the tile will no longer bond. Working time for sheet flooring is the amount of time from when the flooring is laid in place until all cutting and fitting is complete. When rolling is recommended, it must be completed within the working time of the adhesive. Both open time and working time are affected by temperature, humidity and porosity of the subfloor.

There are two general ways to fold the material back to spread the adhesive after the room has been fit. The first is called lapping the material. Pull the material from the end of the sheet and spread the adhesive over half the room. Repeat the procedure for the other half of the room. The material may also be tubed. Pull the material back from the side of the sheet or tube it lengthwise. You may use both tubing and lapping on some installations.

Roll all sheet goods that are fully bonded with a 100-lb. roller immediately after placing them in the adhesive and again when the job is completed. Start in the center of the sheet and roll back and forth across the sheet to each end. Then reverse this procedure. Starting in the center of the sheet, roll lengthwise from center to edge. Rolling is a very important part of each installation. The bond is not as good if the material is not rolled down into the adhesive. When installing materials by the Interflex Installation System, use a hand roller to thoroughly roll material over bonded areas at seams and perimeter. Most Armstrong tile products also require rolling.

C. NEXT GENERATION



**Environmentally Compatible
Next Generation™**

Environmentally compatible products are being requested more frequently by specifiers and builders. Our Next Generation products help meet these customers' needs. You can recommend them with confidence, and you can be confident that they have been formulated to provide the working characteristics your installers expect from Armstrong installation products.

Specific characteristics of each product in the Next Generation line are listed on the product label. All products that carry the Next Generation symbol are:

- Either low in VOCs (less than 150 g/L, SCAQMD) or have no VOCs (calculated at 70°F, SCAQMD)
- Nonflammable
- Ammonia-free and low odor
- Contain low or no organic solvents
- Contain no reportable hazardous substances (per current regulations)

The current Next Generation line-up includes:

- S-224 Residential Sheet Flooring Adhesive
- S-235 Premium Sheet Flooring Adhesive
- S-254 Residential Sheet Flooring Adhesive
- S-288 Flooring Adhesive
- S-580 Flash Cove Adhesive
- S-599 Premium Vinyl-Backed Flooring Adhesive
- S-670 Interflex Sheet Flooring Adhesive
- S-700 Thin Spread Floor Tile Adhesive
- S-750 Premium Floor Tile Adhesive
- S-780 Linoleum Adhesive
- S-761 Seam Adhesive
- S-185 Latex Primer and Additive

D. TROWEL NOTCHINGS

S-891 Notched Steel Trowel (fine notched side)

S-892 with S-894 Replacement Blades

Fine Notching: 1/32" deep, 1/16" wide, spaced 5/64" apart

For: S-89 S-288
 S-202 S-515
 S-230 S-599
 S-240 S-700
 S-224 S-750
 S-235 } nonporous subfloors or
 S-254 } existing resilient floors



S-891 Notched Steel Trowel (regular notched side)

S-892 with S-893 Replacement Blades

Regular Notching: 1/16" deep, 1/16" wide,
spaced 3/32" apart

For: S-224 }
 S-235 } porous subfloors
 S-254 }
 S-599 }
 S-780 }
 S-240 Rubber Tile and Linoleum
 (porous subfloors only for Linoleum)



S-890 Smooth Edge Trowel

For: S-172
 S-183
 S-184
 S-194
 S-199



S-50 or S-53 Notched Spreader "L" Disposable Spreader

Notching: 1/16" deep, 1/16" wide,
spaced 3/32" apart

For: S-670
 S-725
 S-240 Rubber Tile



S-51 or S-52 Notched Spreader "S" Disposable Spreader

Notching: 1/32" deep, 1/16" wide,
spaced 5/64" apart

For: S-665
 S-230
 S-240



S-89 Asphalt Cutback Floor Tile Adhesive

▲ DANGER

**S-89 FLAMMABLE MIXTURE
EYE AND SKIN IRRITANT
VAPOR HARMFUL**

INSTALLATION:

- Vinyl Composition Tile Installation System
- Commercial/Residential

PRODUCTS:

- MultiColor
- ARTEFFECTS
- RAVE
- Stonetex
- Companion Square
- Imperial Texture
- Feature Tile/Strips
- Urethane No-Wax (Dry Back)
- SAFETY ZONE

DESCRIPTION:

- Type:** Solvent-based asphalt/cutback
- Color:** Black; contains no visible taggants
- Subfloor:** All grade levels of concrete, ceramic, terrazzo, marble, steel, stainless steel, aluminum, lead and polymeric poured floors
- Trowel:** S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel; fine notch (1/32" deep, 1/16" wide, 5/64" apart)
- Open Time:** Until dry-to-touch; 60 minutes or more
- Working Time:** 18 hours
- Spread Rate:** 350–450 sq. ft./gal. (32–41 sq. m)
- Removal from Surface:** Use clean, white cloth
Wet or dry: mineral spirits
- Advantages:** Can be used over "cutback" adhesive residue; Moisture and alkali resistant
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** Will not freeze
- Available Units:** 5 Gal. (18.93 L)
- VOC Content:** 291 g/L; calculated and reported, SCAQMD 1168

NOTICE: STIR WELL BEFORE USING.

S-135 VapArrest Professional Moisture Retardant System

▲ WARNING

S-135 EYE AND SKIN IRRITANT

INSTALLATION:

- Professional Moisture Retardant System for installing Bruce, Armstrong and Robbins Engineered Hardwood flooring, floating or glue down with Bruce Equalizer, Armstrong 57, Robbins FusionLock or Armstrong EverLAST Premium Urethane Adhesive. May also be used to install 5/16" solid strip using Bruce Equalizer, Armstrong 57, Robbins FusionLock or Armstrong EverLAST Premium Urethane Adhesive.
- Armstrong warrants that the covered 5/16" solid hardwood flooring products when properly installed with our Armstrong EverLAST Premium Urethane Adhesive according to our installation instructions (including proper subfloor moisture testing), will not release from the subfloor for as long as you (the original purchaser) own your floor. (To receive, the A.G.I.S. Armstrong EverLAST Premium Urethane Adhesive must be used.)

DESCRIPTION:

- Type:** Two-part cross-linked epoxy resin
- Color:** Pale Red
- Substrates:** Concrete, properly mixed and applied Portland cement-based underlayments, primed, properly prepared poured-in-place gypsum subfloors (dust free)
- Applicator:** Medium nap paint roller with extension handle
- Open Time:** 8–24 hours when tack free
- Working Time:** 60 minutes
- NOTE:** Working times vary based on temperature and air movement
- Spread Rate:** 270 sq. ft./gallon unit at 6 mil using a medium nap roller
- Removal from Surface:** Remove wet or uncured materials with Bruce Clean 'n' Strip, Armstrong Wipe Clean, Robbins Spot Cleaner or mineral spirits

INSTALLATION (cont.):

- Professional Moisture Retardant System for installing Bruce and Armstrong Laminate flooring, floating or with Bruce Equalizer, Armstrong 57, Robbins FusionLock or Armstrong EverLAST Premium Urethane Adhesive.
- Professional Moisture Retardant System for residential sheet flooring installed by the modified loose lay installation method.

PRODUCTS:

- Bruce Engineered Hardwood Flooring
- Armstrong Engineered Hardwood Flooring
- Robbins Engineered Hardwood Flooring
- Bruce Laminate flooring
- Armstrong Laminate flooring
- StrataMax and CushionStep (modified loose lay only)

Advantages:

Reduces water vapor transmission up to 75% (to less than 3 lbs./1000 sq. ft./24 hrs); reduces potential for mold & mildew growth; no additional prep time or expense required prior to application—can begin work right away; quick and easy to apply; rapid curing; floor is ready to install the next day; used over cementitious leveling compounds; environmentally friendly; low odor; no VOCs; low perm rating; straightforward and complete warranty protection.

Shelf Life:

One year at 70°F (from date of manufacture) if not opened

Available Units:

Each unit (ctn) contains 1 Part A & 1 Part B Quart, 1.1 Gallon, 2.2 Gallon

VOC Content:

0 g/L; calculated and reported, SCAQMD

NOTICE: STIR WELL BEFORE USING.

S-202 Static Dissipative Tile Adhesive

CAUTION

S-202 EYE AND SKIN IRRITANT

INSTALLATION:

- SDT Installation System

PRODUCTS:

- Static Dissipative Tile (SDT)

DESCRIPTION:

Type:	Water-based/resin
Color:	Black; contains no visible taggants
Subfloor:	All grade levels of concrete; suspended wood
Trowel:	S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel; fine notch (1/32" deep, 1/16" wide, 5/64" apart)
Open Time:	Until dry-to-touch; 60 minutes or more
Working Time:	6 hours
Spread Rate:	Approximately 150 sq. ft./gal. (14 sq. m)
Removal from Surface:	Use clean, white cloth Wet or dry: mineral spirits
Advantages:	Moisture and alkali resistant
Shelf Life:	Six months if not opened
Freeze/Thaw Stability:	KEEP FROM FREEZING
Available Units:	Gal. (3.78 L), 4 Gal. (15.14 L)
VOC Content:	50 g/L; calculated and reported, SCAQMD 1168

NOTICE: STIR WELL BEFORE USING.

S-224 Residential Sheet Flooring Adhesive



CAUTION

S-224 EYE AND SKIN IRRITANT

INSTALLATION:

- Residential Felt-Backed Installation System

PRODUCTS:

- Highland Park
- Rhythms
- Urban Settings
- Starstep
- Candide II
- Memories
- Destinations
- Initiator
- Canyon Creek
- Enhancements
- Natural Fusion
- Station Square
- Frontgate

DESCRIPTION:

- Type:** Water-based/rubber-resin
- Color:** Tan; contains visible taggants
- Subfloor:** All grade levels of concrete, existing resilient floors, ceramic, terrazzo, marble and polymeric poured floors; suspended wood
- Trowel:** S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel
- Open Time:** Porous subfloors: regular notch (1/16" deep, 1/16" wide, 3/32" apart) S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel; nonporous subfloors or existing resilient floors: fine notch (1/32" deep, 1/16" wide, 5/64" apart)
- Working Time:** 0–20 minutes over wood and concrete; 10–20 minutes over existing flooring
- Spread Rate:** Up to 20 minutes over concrete; up to 60 minutes over wood and other subfloors
- Removal from Surface:** Regular notch: 125–150 sq. ft./gal. (12–14 sq. m); fine notch: 225–275 sq. ft./gal. (20–25 sq. m)
- Advantages:** Use clean, white cloth
- Shelf Life:** Wet: neutral detergent and water
- Freeze/Thaw Stability:** Dry: mineral spirits
- Available Units:** Moisture and alkali resistant; Nonstaining; Fast initial grab—helps prevent edge curl;
- VOC Content:** One year if not opened
- 4 Gal. (15.14 L)
- 5 g/L; calculated and reported, SCAQMD 1168

S-230 Commercial Epoxy Adhesive

▲ WARNING

S-230 EYE AND SKIN IRRITANT
MIXING OF PART A AND PART B MAY GENERATE HEAT BUILD-UP

INSTALLATION:

- Commercial Vinyl-Backed Installation System
- Vinyl Composition Tile Installation System

PRODUCTS:

- SAFETY ZONE
- SAFEGUARD
- SAFEGUARD Spa

DESCRIPTION:

- Type:** Two-part epoxy
- Color:** Amber; contains no visible taggants
- Subfloor:** All grade levels of concrete, existing resilient floors, ceramic, terrazzo, marble, steel, stainless steel, aluminum, lead, copper, brass, bronze, and polymeric poured floors; suspended wood
- Trowel:** S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel with the S-894 Trowel; fine notch (1/32" deep, 1/16" wide, 5/64" apart) S-51 Notched Spreader or 3" "S" Disposable Spreader
- Open Time:** Minimum 20 minutes
- Working Time:** One hour*
- Spread Rate:** 125–150 sq. ft./gal. (12–14 sq. m)
- Removal from Surface:** Use clean, white cloth
Wet: detergent and water
Dry: cannot be removed
- Advantages:** Moisture and alkali resistant
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** Freeze-thaw stable to 10°F (-12°C)
- Available Units:** Gal. (two parts) (3.78 L)
- VOC Content:** Part A and Part B 30g/L; calculated and reported, SCAQMD 1168

NOTICE: DO NOT USE AT TEMPERATURES ABOVE 85°F (29°C).

* Working times vary based on job conditions, subfloors, temperature and humidity.

S-235 Premium Sheet Flooring Adhesive



▲ CAUTION

S-235 EYE AND SKIN IRRITANT

INSTALLATION:

- Commercial Felt-Backed Installation System
- Residential Felt-Backed Installation System

PRODUCTS:

- Highland Park
- Rhythms
- Urban Settings
- Starstep
- Candide II
- Memories
- Destinations
- Initiator
- Canyon Creek
- Enhancements
- Natural Fusion
- Station Square
- Frontgate
- MEDINTECH Tandem
- COMMISSION Plus

DESCRIPTION:

- Type:** Water-based/rubber-resin
- Color:** Cream; contains visible taggants
- Subfloor:** All grade levels of concrete, existing resilient floors, ceramic, terrazzo, marble, steel, stainless steel, aluminum, lead, copper, brass, bronze, and polymeric poured floors; suspended wood
- Trowel:** S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel
Porous subfloors: regular notch (1/16" deep, 1/16" wide, 3/32" apart); nonporous subfloors or existing resilient floors: fine notch (1/32" deep, 1/16" wide, 5/64" apart)
- Open Time:** 0–20 minutes over wood and concrete; 10–20 minutes over existing flooring
- Working Time:** Up to 40 minutes
- Spread Rate:** Regular notch: 125–150 sq. ft./gal. (12–14 sq. m); fine notch: 225–275 sq. ft./gal. (20–25 sq. m)
- Removal from Surface:** Use clean, white cloth
Wet: neutral detergent and water;
Dry: mineral spirits
- Advantages:** Fast grab—prevents edge curl; Excellent bond integrity; Moisture and alkali resistant; Solvent free
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** Freeze-thaw stable to 10°F (-12°C)
- Available Units:** Qt. (946 mL), Gal. (3.78 L), 4 Gal. (15.14 L)
- VOC Content:** 4 g/L; calculated and reported, SCAQMD 1168

S-240 High-Performance Epoxy Flooring Adhesive

▲ WARNING

S-240 EYE AND SKIN IRRITANT
MAY CAUSE ALLERGIC SKIN OR RESPIRATORY REACTION
VAPOR HARMFUL
MIXING OF PART A AND PART B MAY GENERATE HEAT BUILD-UP

INSTALLATION:

- Commercial Linoleum Sheet Installation System
- BioBased Tile Installation System
- Commercial Luxury Vinyl Tile Installation System
- Commercial Vinyl-Backed Installation System
- Commercial Inlaid Installation System
- Commercial STAIR TREADS & RUBBER TILES Installation System

PRODUCTS:

- NATURAL CREATIONS
- TIMBERLINE
- TRANSLATIONS
- PERSPECTIVES Sheet & Tile
- MEDINTECH
- ROYAL
- SOLID (Canadian Exclusive)
- POSSIBILITIES Petit Point
- Connection CORLON
- MARMORETTE
- GRANETTE
- COLORETTE
- LINORETTE
- UNI WALTON
- LINODUR
- Rubber Tile

DESCRIPTION:

- Type:** Two-part epoxy
- Color:** Tan; contains no visible taggants
- Subfloor:** All grade levels of concrete, existing resilient floors, ceramic, terrazzo, marble, steel, stainless steel, aluminum, lead, and polymeric poured floors; suspended wood
- Trowel:** S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel with the S-894 Trowel Blade; Fine Notching (1/32" deep, 1/16" wide, 5/64" apart), S-51 Notched Spreader or 3" "S" Disposable Spreader
Rubber Tile: S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel with the S-893 Trowel Blade; Regular Notching (1/16" deep, 1/16" wide, 3/32" apart), S-50 Notched Spreader or 3" "L" Disposable Spreader
- Open Time:** Approximately 10–20 minutes (set-in-wet)
- Working Time:** One hour
- Spread Rate:** 170–190 sq. ft./gal. (15–17 sq. m)
- Removal from Surface:** Use clean, white cloth
Wet: neutral detergent and water;
Dry: cannot be removed
- Advantages:** Moisture and alkali resistant
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** Freeze-thaw stable to 10°F (-12°C)
- Available Units:** Gal. (two parts) (3.78 L)
1/2 Gal. (two parts) (1.89 L)
- VOC Content:** Part A and Part B 10 g/L; calculated and reported, SCAQMD 1168

NOTICE: DO NOT USE AT TEMPERATURES ABOVE 85°F (29°C).

S-254 Residential Sheet Flooring Adhesive



Environmentally Compatible
Next Generation

⚠ CAUTION

S-254 EYE AND SKIN IRRITANT

INSTALLATION:

- Residential Felt-Backed Installation System

PRODUCTS:

- Highland Park
- Rhythms
- Urban Settings
- Starstep
- Candide II
- Memories
- Destinations
- Initiator
- Canyon Creek
- Enhancements
- Natural Fusion
- Station Square
- Frontgate
- COMMISSION Plus

DESCRIPTION:

- Type:** Water-based/rubber-resin
- Color:** Tan; contains visible taggants
- Subfloor:** All grade levels of concrete, existing resilient floors, ceramic, terrazzo, marble and polymeric poured floors; suspended wood
- Trowel:** S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel
- Open Time:** 0–20 minutes over wood and concrete; 10–20 minutes over existing flooring
- Working Time:** Up to 20 minutes over concrete; up to 60 minutes over wood and other subfloors
- Spread Rate:** Regular notch: 125–150 sq. ft./gal. (12–14 sq. m); fine notch: 225–275 sq. ft./gal. (20–25 sq. m)
- Removal from Surface:** Use clean, white cloth
Wet: neutral detergent and water
Dry: mineral spirits
- Advantages:** Easy to use; Solvent free; Nonflammable; Low odor
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** Freeze-thaw stable to 10°F (-12°C)
- Available Units:** Qt. (946 mL), Gal. (3.78 L), 4 Gal. (15.14 L)
- VOC Content:** 5 g/L; calculated and reported, SCAQMD 1168

S-288 Flooring Adhesive



▲ CAUTION

S-288 EYE AND SKIN IRRITANT

INSTALLATION:

- StrataMax Installation System
- CushionStep Installation System
- Residential LVT Planks Installation System
- Alterna Installation System
- Commercial Luxury Vinyl Tile Flooring Installation System

PRODUCTS:

- CushionStep
- StrataMax
- Natural Living
- Natural Personality
- Alterna
- NATURAL CREATIONS

DESCRIPTION:

- Type:** Water-based/resin
- Color:** Creamy Beige; contains visible taggants
- Subfloor:** All grade levels of concrete, existing resilient floors, ceramic, terrazzo, marble and polymeric poured floors; suspended wood
- Trowel:** S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel
Porous and nonporous subfloors or existing floors: fine notch (1/32" deep × 1/16" wide × 5/64" apart)
- Open Time:** Porous subfloors (set-in-wet): Minimum 10–20 minutes; nonporous subfloors (dry-to-touch): 30 minutes or more
- Working Time:** Up to one hour over existing flooring*
- Spread Rate:** 250–300sq. ft./gal. (23–28 sq. m)
- Removal from Surface:** Use clean, white cloth
Wet: neutral detergent and water
Dry: mineral spirits
- Advantages:** Moisture and alkali resistant; strong initial grab
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** Freeze-thaw stable
- Available Units:** Qt. (946 mL), Gal. (3.78 L), 4Gal. (15.14L)
- VOC Content:** 14 g/l; calculated and reported, SCAQMD 1168

* Working times vary based on job conditions, subfloors, temperature and humidity.

S-515 Clear Thin Spread Floor Tile Adhesive

▲ CAUTION

S-515 EYE AND SKIN IRRITANT

INSTALLATION:

- Vinyl Composition Tile Installation System
- Commercial/Residential
- BioBased Tile Installation System

PRODUCTS:

- ARTEFFECTS
- RAVE
- Imperial Texture
- MultiColor
- Stonetex
- Companion Square
- Feature Tile/Strips
- SAFETY ZONE
- MIGRATIONS
- Urethane No-Wax (Dry Back)
- Vinyl No-Wax (Dry Back)

DESCRIPTION:

- Type:** Water-based/latex-resin
- Color:** Cream; contains visible taggants
- Subfloor:** All grade levels of concrete, ceramic, terrazzo, marble and polymeric poured floors; suspended wood; wherever Tile-On Installation System is approved
- Trowel:** S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel; fine notch (1/32" deep, 1/16" wide, 5/64" apart)
- Open Time:** Until dry-to-touch; approximately 30 minutes or more
- Working Time:** 24 hours*
- Spread Rate:** 350–400 sq. ft./gal. (33–37 sq. m)
- Removal from Surface:** Use clean, white cloth
Wet: detergent and water
Dry: mineral spirits
- Advantages:** Can be used over “cutback” adhesive residue; Moisture and alkali resistant; Dries clear—allows chalk lines to show through; Excellent initial grab
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** Freeze-thaw stable to 10°F (-12°C)
- Available Units:** Gal. (3.78 L), 4 Gal. (15.4 L)
- VOC Content:** 49 g/L; calculated and reported, SCAQMD 1168

* Working times vary based on job conditions, subfloors, temperature and humidity.

S-553 Seam Sealing Adhesive

▲ DANGER

**S-553 FLAMMABLE LIQUID
VAPOR HARMFUL
EYE AND SKIN IRRITANT**

INSTALLATION:

- Seam Sealer
- Commercial

PRODUCTS

- TIMBERLINE
- TRANSLATIONS
- PERSPECTIVES

DESCRIPTION:

- Type:** Solvent-based/lacquer
- Application:** S-571 applicator bottle
- Spread Rate:** 400–500 lin. ft./pt.
(122–152 m lin.)
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** Freeze-thaw stable
- Available Units:** Pt (473 mL)
- VOC Content:** 829 g/L; calculated and reported, SCAQMD 1168

S-564 Low Gloss Seam Coating Kit

▲ DANGER

**S-570 FLAMMABLE LIQUID
VAPOR HARMFUL | EYE AND SKIN IRRITANT
HARMFUL OR FATAL IF SWALLOWED**

▲ DANGER

**S-585 FLAMMABLE LIQUID
VAPOR HARMFUL | EYE AND SKIN IRRITANT
HARMFUL OR FATAL IF SWALLOWED**

▲ DANGER

**S-593 FLAMMABLE LIQUID
VAPOR HARMFUL | EYE AND SKIN IRRITANT
HARMFUL OR FATAL IF SWALLOWED**

INSTALLATION:

- Seam coating for semi-gloss, low-gloss and ultra low-gloss patterns
- Residential

PRODUCTS

- Traditions
- Highland Park
- Rhythms
- Urban Settings
- Starstep
- Candide II
- Memories
- Destinations
- Successor
- Initiator
- Canyon Creek
- Enhancements
- Frontgate
- Natural Fusion
- Station Square
- TIMBERLINE
- TRANSLATIONS
- PERSPECTIVES
- COMMISSION Plus
- StrataMax
- CushionStep

NOTE: When installing TIMBERLINE, TRANSLATIONS or PERSPECTIVES in a residential area, seams may be coated using S-564 Kit.

NOTE: Do not use S-585 as a seam filler.

DESCRIPTION:

Type (S-570): Moisture curable urethane
(S-585): Solvent based paste cleaner
Applicator (S-570): S-591 Seam Coating Applicator
(S-585): Apply with white felt pads

Dry Time: Two hours

Spread Rate: Approximately 100 lin. ft./kit (30 m lin.)

Removal from Surface (S-570): When spilled, wipe area with clean, white cloth dampened with mineral spirits within 2–3 minutes

(S-585): Remove most of the S-585 with a clean, white cloth. Allow remaining residue to dry at least 5 minutes until a white haze appears. After S-585 is completely dry, use a new dry, clean, white cloth to remove all traces of seam cleaner.
NOTE: Do not use the S-585 on Natural Fusion or CushionStep.

NOTE: With dark patterns, be sure to remove all white residue from the seam before coating. Any residue in the seam will be more visible after the coating dries. A soft-bristled brush, such as a toothbrush, may be used for this purpose.

Shelf Life: One year if not opened

Freeze/Thaw Stability: Freeze-thaw stable to 10°F (-12°C)

Available Units: Single unit (1-Kit blister pack) Bulk units (3-Kit box) and (12-Kit box)

VOC Content: S-570 – 585 g/L
S-585 – 515 g/L
S-593 – 32 g/L
calculated and reported, SCAQMD 1168

S-580 Flash Cove Adhesive



▲ CAUTION

S-580 EYE AND SKIN IRRITANT

INSTALLATION:

- Commercial Inlaid Installation System (flash cove areas only)
- Commercial Vinyl-Backed Installation System (flash cove areas only)
- Commercial and Residential Felt-Backed Installation System (optional in flash cove areas only)
- Commercial and Residential Linoleum Sheet Installation System (optional in flash cove areas only)

PRODUCTS:

- MEDINTECH
- ROYAL
- SOLID (Canadian Exclusive)
- MEDINTECH Tandem
- TIMBERLINE
- TRANSLATIONS
- PERSPECTIVES
- SAFEGUARD
- SAFEGUARD Spa
- Connection CORLON
- POSSIBILITIES Petit Point
- COLORETTE
- LINORETTE
- MARMORETTE
- COMMISSION Plus
- GRANETTE
- UNI WALTON

DESCRIPTION:

- Type:** Water-based/resin
- Color:** White; contains no visible taggants
- Wall:** Structurally sound, dry and smooth surfaces
- Applicator:** Brush or roller
- Open Time:** Dry to pressure sensitive state; minimum of 20–30 minutes
- Working Time:** Unlimited*
- Spread Rate:** 200–250 sq. ft. per 1/2 gal (18–23 sq. m)
- Removal from Surface:** Use clean, white cloth
Wet: neutral detergent and water
Dry: mineral spirits
- Advantages:** Excellent grab; Fast application with brush or roller
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** KEEP FROM FREEZING
- Available Units:** 1/2 Gal.
- VOC Content:** 0g/L; calculated and reported, SCAQMD 1168

* Working times vary based on job conditions, subfloors, temperature and humidity.

S-595 High Gloss Seam Coating Kit

▲ DANGER

**S-570 FLAMMABLE LIQUID
VAPOR HARMFUL | EYE AND SKIN IRRITANT
HARMFUL OR FATAL IF SWALLOWED**

▲ DANGER

**S-585 FLAMMABLE LIQUID
VAPOR HARMFUL | EYE AND SKIN IRRITANT
HARMFUL OR FATAL IF SWALLOWED**

▲ WARNING

**S-591 COMBUSTIBLE LIQUID
VAPOR HARMFUL | EYE AND SKIN IRRITANT
HARMFUL OR FATAL IF SWALLOWED**

INSTALLATION:

- Residential

PRODUCTS

- Rhythms
- Urban Settings
- Starstep
- Candide II
- Memories
- Destinations
- Traditions
- Successor
- Initiator
- Enhancements

NOTE: Do not use S-585 as a seam filler.

DESCRIPTION:

Type (S-570): Moisture curable urethane
(S-585): Solvent-based paste cleaner
Applicator (S-570): S-591 Seam Coating Applicator
(S-585): Apply with white felt pads

Dry Time: Two hours

Spread Rate: Approximately 100 lin. ft./kit
(30 m lin.)

Removal from Surface (S-570): When spilled, wipe area with clean, white cloth dampened with mineral spirits within 2–3 minutes

(S-585): Remove most of the S-585 with a clean, white cloth. Allow remaining residue to dry at least 5 minutes until a white haze appears. After S-585 is completely dry, use a new dry, clean, white cloth to remove all traces of seam cleaner.

NOTE: With dark patterns, be sure to remove all white residue from the seam before coating. Any residue in the seam will be more visible after the coating dries. A soft-bristled brush, such as a toothbrush, may be used for this purpose.

Shelf Life: One year if not opened

Freeze/Thaw Stability: Freeze-thaw stable to 10°F (-12°C)

Available Units: Single unit (1-Kit blister pack)
Bulk units (3-Kit box)
and (12-kit box)

VOC Content: S-570 – 585 g/L S-585 – 515 g/L
calculated and reported,
SCAQMD 1168

S-596 High Gloss Seam Coating Kit

without accelerator

▲ DANGER

S-570 **FLAMMABLE LIQUID**
VAPOR HARMFUL | EYE AND SKIN IRRITANT
HARMFUL OR FATAL IF SWALLOWED

▲ DANGER

S-585 **FLAMMABLE LIQUID**
VAPOR HARMFUL | EYE AND SKIN IRRITANT
HARMFUL OR FATAL IF SWALLOWED

INSTALLATION:

- Residential

PRODUCTS

- Rhythms
- Urban Settings
- Starstep
- Candide II
- Memories
- Destinations
- Traditions
- Successor
- Initiator
- Enhancements

NOTE: Do not use S-585 as a seam filler.

DESCRIPTION:

Type (S-570): Moisture curable urethane

(S-585): Solvent-based paste cleaner

Applicator (S-570): S-591 Seam Coating Applicator without accelerator

(S-585): Apply with white felt pads

Dry Time: 12 hours

Spread Rate: Approximately 100 lin. ft./kit (30 m lin.)

Removal from Surface (S-570): When spilled, wipe area with clean, white cloth dampened with mineral spirits within 2–3 minutes.

(S-585): Remove most of the S-585 with a clean, white cloth. Allow remaining residue to dry at least 5 minutes until a white haze appears. After S-585 is completely dry, use a new dry, clean, white cloth to remove all traces of seam cleaner.

NOTE: With dark patterns, be sure to remove all white residue from the seam before coating. Any residue in the seam will be more visible after the coating dries. A soft-bristled brush, such as a toothbrush, may be used for this purpose.

Shelf Life: One year if not opened

Freeze/Thaw Stability: Freeze-thaw stable to 10°F (-12°C)

Available Units: Bulk unit (3-Kit box)

VOC Content: S-570 – 585 g/L S-585 – 515 g/L calculated and reported, SCAQMD 1168

S-599 Premium Commercial Vinyl Sheet Flooring Adhesive



▲ CAUTION

S-599 EYE AND SKIN IRRITANT

INSTALLATION:

- Commercial Vinyl-Backed Flooring Installation System
- Commercial Inlaid Flooring Installation System
- Commercial Felt-Backed Installation System

PRODUCTS:

- MEDINTECH
- ROYAL
- SOLID (Canadian Exclusive)
- MEDINTECH Tandem
- SAFEGUARD
- SAFEGUARD Spa
- TIMBERLINE
- TRANSLATIONS
- PERSPECTIVES Sheet and Tile
- POSSIBILITIES Petit Point
- Connection CORLON

DESCRIPTION:

- Type:** Water-based/resin
- Color:** Creamy Beige; contains visible taggants
- Subfloor:** All grade levels of concrete, existing resilient floors, ceramic, terrazzo, marble, steel, stainless steel, aluminum, polymeric poured floors and suspended wood
- Trowel:** S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel; fine notch (1/32" deep, 1/16" wide, 5/64" apart)
- Open Time:** Porous subfloors (set-in-wet): Minimum 10–20 minutes; nonporous subfloors (dry-to-touch): 30 minutes or more
- Working Time:** Up to one hour after dry to touch*
- Spread Rate:** 250–300 sq. ft./gal. (23–28 sq. m)
- Removal from Surface:** Use clean white cloth
Wet: neutral detergent and water; Dry: mineral spirits
- Advantages:** For Full Spread and Perimeter Plus Systems; Moisture and alkali resistant; Strong early grab
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** Freeze-thaw stable
- Available Units:** Gal. (3.78 L), 4 Gal. (15.14 L)
- VOC Content:** <14 g/L; calculated and reported, SCAQMD 1168

* Working times vary based on job conditions, subfloors, temperature and humidity.

S-665 Interflex Sheet Flooring Adhesive

▲ DANGER

**S-665 FLAMMABLE LIQUID
VAPOR HARMFUL
EYE AND SKIN IRRITANT**

INSTALLATION:

- Interflex Installation System

PRODUCTS:

- Traditions
- Successor

DESCRIPTION:

- Type:** Solvent-based/resin
- Color:** Off-white; contains no visible taggants
- Subfloor:** Existing resilient floors and embossing levelers (S-199 and S-194/S-195), and other nonporous subfloors. All grade levels of concrete
- Trowel:** S-51 Notched Spreader or 3" "S" Disposable Spreader
- Open Time:** None recommended
- Working Time:** 40 minutes
- Spread Rate:** 3" band: 225–237 lin. ft./qt. (68.58–72.23 m lin.)
- Removal from Surface:** DO NOT GET ON SURFACE
Will attack surface of some floorings.
Use clean, white cloth
Wet or dry: mineral spirits
- Advantages:** Moisture and alkali resistant;
Nonstaining
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** Will not freeze
- Available Units:** Qt. (946 mL)
- VOC Content:** 664 g/L; calculated and reported, SCAQMD 1168

S-670 Interflex Sheet Flooring Adhesive



Environmentally Compatible
Next Generation

CAUTION

S-670 EYE AND SKIN IRRITANT

INSTALLATION:

- Interflex Installation System

PRODUCTS:

- Traditions
- Successor

DESCRIPTION:

- Type:** Water-based/latex-resin
- Color:** White; contains visible taggants
- Subfloor:** All grade levels of porous concrete; suspended wood
- Trowel:** S-50 Notched Spreader or 3" "L" Disposable Spreader
- Open Time:** None recommended
- Working Time:** Approximately 30 minutes
- Spread Rate:** 3" band: 550 lin. ft./gal. (168 m lin.)
6" band: 275 lin. ft./gal. (84 m lin.)
- Removal from Surface:** Use clean, white cloth
Wet: neutral detergent and water;
Dry: mineral spirits
- Advantages:** Moisture and alkali resistant; nonstaining; low odor
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** KEEP FROM FREEZING
- Available Units:** Qt. (946 mL), Gal. (3.78 L)
- VOC Content:** 136 g/L; calculated and reported, SCAQMD 1168

S-693 Premixed Sanded Acrylic Grout

CAUTION

S-693 SKIN, EYE AND RESPIRATORY IRRITANT
HARMFUL OR FATAL IF SWALLOWED

INSTALLATION:

- Alterna Installation System

PRODUCTS:

- Alterna Groutable Tile

DESCRIPTION:

- Type:** Premixed sanded acrylic grout
- Color:** Available in a variety of colors
- Application:** Directions are found on container
- Open Time:** Approximately 3–8 minutes
- Working Time:** 10 minutes*
- Spread Rate:** 325 sq. ft./gal. (31 sq. m) for Alterna with 1/8" joint spacing
275 sq. ft./gal. (26 sq. m) for Alterna with 3/16" joint spacing
225 sq. ft./gal. (21 sq. m) for Alterna with 1/4" joint spacing
- Removal from Surface:** Follow instructions on container
- Advantages:** Premixed—ready to use
Resists cracking
Color consistent
Stain Resistant
Easy clean up
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** KEEP FROM FREEZING
Store at room temperature
- Available Units:** Gal. (3.78 L)
- VOC Content:** 15 g/L; calculated and reported, SCAQMD 1168

* Working times vary based on job conditions, subfloors, temperature and humidity.

S-700 Thin Spread Floor Tile Adhesive



▲ CAUTION

S-700 EYE AND SKIN IRRITANT

INSTALLATION:

- Vinyl Composition Tile Installation System
- Commercial/Residential
- BioBased Tile Installation System

PRODUCTS:

- ARTEFFECTS
- RAVE
- Imperial Texture
- MultiColor
- Stonetex
- Companion Square
- Feature Tile/Strips
- MIGRATIONS
- SAFETY ZONE
- Urethane No-Wax (Dry Back)

DESCRIPTION:

- Type:** Water-based/asphalt-rubber
- Color:** Black; contains no visible taggants
- Subfloor:** All grade levels of concrete, ceramic, terrazzo, marble, steel, stainless steel, aluminum, lead, copper, brass and bronze; suspended wood
- Trowel:** S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel; fine notch (1/32" deep, 1/16" wide, 5/64" apart)
- Open Time:** Until dry-to-touch; approximately 30 minutes or more
- Working Time:** 18 hours*
- Spread Rate:** 350–400 sq. ft./gal. (32–37 sq. m)
- Removal from Surface:** Use clean, white cloth
Wet: neutral detergent and water;
Dry: mineral spirits
- Advantages:** Can be used over “cutback” adhesive residue; Moisture and alkali resistant; Solvent free black asphalt emulsion
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** Freeze-thaw stable to 10°F (-12°C)
- Available Units:** Gal. (3.78 L), 4 Gal. (15.14 L)
- VOC Content:** 0 g/L; calculated and reported, SCAQMD 1168

NOTICE: STIR WELL BEFORE USING.

* Working times vary based on job conditions, subfloors, temperature and humidity.

S-725 Wall Base Adhesive

▲ CAUTION

S-725 EYE AND SKIN IRRITANT

INSTALLATION:

- WALL BASE, RISERS and Vinyl TRANSITION STRIPS Installation System
- Commercial/Residential

PRODUCTS:

- Color-Integrated WALL BASE (Vinyl and Rubber)
- Commercial Stair RISERS

DESCRIPTION:

- Type:** Water-based/rubber-resin
- Color:** Off-white; contains visible taggants
- Wall:** Structurally sound, dry and smooth wall surfaces
- Trowel:** S-50 Notched Spreader or 3" "L" Disposable Spreader
- Open Time:** None recommended
- Working Time:** Up to 15 minutes
- Spread Rate:** 2-1/2": 375-425 lin. ft./gal. (114-130 m lin.)
4": 300-350 lin. ft./gal. (91-107 m lin.)
6": 200-250 lin. ft./gal. (61-76 m lin.)
7": 200-250 lin. ft./gal. (61-76 m lin.)
- Cartridge:**
4": (1/8" bead)
18 lin. ft./11 oz. (5.5 m lin.)
4": (1/8" bead)
50 lin. ft./30 oz. (15.2 m lin.)
- Removal from Surface:** Use clean, white cloth
Wet: neutral detergent and water;
Dry: mineral spirits
- Advantages:** Excellent bond integrity;
Good wet strength
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** Freeze-thaw stable to 10°F (-12°C)
- Available Units:** Qt. (946 mL), Gal. (3.78 L), 4 Gal. (15.14 L), and 11 oz. (311.8 g) and 30 oz. (950.4 g) cartridges
- VOC Content:** 98 g/L; calculated and reported, SCAQMD 1168

S-750 Premium Floor Tile Adhesive



▲ CAUTION

S-750 EYE AND SKIN IRRITANT

INSTALLATION:

- Vinyl Composition Tile Installation System
- Commercial/Residential
- Primer for wood and concrete with self-adhering tile

PRODUCTS:

- ARTEFFECTS
- RAVE
- Imperial Texture
- MultiColor
- Stonetex
- Companion Square
- Feature Tile/Strips
- Urethane No-Wax (Dry Back)
- Vinyl No-Wax (Dry Back)
- SAFETY ZONE

DESCRIPTION:

- Type:** Water-based/rubber-resin
- Color:** Cream; contains visible taggants
- Subfloor:** All grade levels of concrete, ceramic, terrazzo, marble and polymeric poured floors; suspended wood; wherever Tile-On Installation System is approved
- Trowel:** S-891 Notched Steel Trowel or S-892 Replaceable Blade Trowel; fine notch (1/32" deep, 1/16" wide, 5/64" apart); brush or medium-nap roller when used as primer
- Open Time:** Until dry-to-touch; approximately 30 minutes or more
- Working Time:** 6 hours*
- Spread Rate:** Trowel: 275–350 sq. ft./gal. (26–33 sq. m)
Brush or Roller (Primer): 350–400 sq. ft./gal. (33–37 sq. m)
- Removal from Surface:** Use clean, white cloth. Wet: neutral detergent and water; Dry: mineral spirits
- Advantages:** Can be used over "cutback" adhesive residue; Moisture and alkali resistant; Solvent free; Non-flammable
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** KEEP FROM FREEZING
- Available Units:** Qt. (946 mL), Gal. (3.78 L), 4 Gal. (15.14 L)
- VOC Content:** 5 g/L; calculated and reported, SCAQMD 1168

NOTICE: STIR WELL BEFORE USING.

* Working times vary based on job conditions, subfloors, temperature and humidity.

S-761 Seam Adhesive



CAUTION

S-761 EYE AND SKIN IRRITANT

INSTALLATION:

- Residential Linoleum Sheet Flooring Installation System
- Commercial Linoleum Sheet Flooring Installation System
- Commercial Inlaid Flooring Installation System
- Commercial Vinyl-Backed Sheet Flooring Installation System
- Commercial Felt-Backed Flooring Installation System

PRODUCTS:

- MARMORETTE
- GRANETTE
- COLORETTE
- UNI WALTON
- LINORETTE
- MEDINTECH
- ROYAL
- SOLID (Canadian Exclusive)
- MEDINTECH Tandem
- POSSIBILITIES Petit Point
- TIMBERLINE
- TRANSLATIONS
- PERSPECTIVES

DESCRIPTION:

- Type:** Water-based resin
- Color:** White; contains visible taggants
- Applicator:** S-761 Bottle
- Spread Rate:** 1/8" bead, approximately 144 lin. ft./bottle (43 m lin.)
- Removal from Surface:** Use clean, white cloth
Wet: neutral detergent and water;
Dry: mineral spirits
- Shelf Life:** One year if not opened
- Freeze/Thaw Stability:** KEEP FROM FREEZING
- Available Units:** Single unit 8 oz. bottle (236 mL)
- VOC Content:** 136 g/L; calculated and reported, SCAQMD 1168

S-780 Linoleum Adhesive



▲ CAUTION

S-780 EYE AND SKIN IRRITANT

INSTALLATION:

- Commercial Linoleum Sheet Installation System
- Residential Linoleum Sheet Installation System

PRODUCTS:

- MARMORETTE
- GRANETTE
- COLORETTE
- UNI WALTON
- LINORETTE

DESCRIPTION:

Type:	Synthetic Polymer
Color:	White
Subfloor:	All grade levels of concrete, existing well-bonded resilient floors (not perimeter-bonded or cushion-backed), terrazzo, steel, stainless steel, aluminum, suspended wood and wood underlayments, properly mixed and applied powder underlayments and embossing levelers, primed poured in-place gypsum subfloors, radiant-heated subfloors [not to exceed 85° F (29° C)].
Trowel:	U notch (1/16" deep, 1/16" wide, 3/32" apart)
Open Time:	Porous: None Nonporous: 5–10 minutes
Working Time:	Up to 25 minutes*
Spread Rate:	120–135 sq. ft./gal. (11–12.5 sq.m)
Removal from Surface:	Use clean, white cloth. Wet: neutral detergent and water; Dry: mineral spirits
Advantages:	Moisture and alkali resistant, Rapid bond development, Excellent bond strength, Easy trowelability.
Shelf Life:	One year if not opened
Freeze/Thaw Stability:	Freeze-thaw stable to 10°F (-12°C)
Available Units:	4 Gal. (15.14 L)
VOC Content:	5.5 g/L; calculated and reported, SCAQMD 1168

* Working times vary based on job conditions, subfloors, temperature and humidity.

S-1800 Laminate Floor Glue

▲ CAUTION

S-1800 EYE AND SKIN IRRITANT

INSTALLATION:

- Residential Laminate Flooring
- Light Commercial Laminate Flooring

PRODUCTS:

- Armstrong Laminate
- Bruce Laminate

DESCRIPTION:

- Type:** Polyvinyl acetate cross-linking emulsion (water-based)
- Color:** White when wet; dries opaque in 1 hour. Contains no visible taggants.
- Applicator:** Predrilled cap on 16 oz. bottle
- Spread Rate:** 3/32" (2.4 mm) bead up to 150 sq. ft. (500 lin. ft.)/
16 oz. bottle
- Removal from Surface:** Wet: Use clean white cloth dampened with warm water. Dry: Can be easily peeled away. Remove residue/haze with cloth dampened with 8 oz. (1 cup) white distilled vinegar to 1 Gal. water (1:16 ratio)
- Advantages:** Nonflammable; specifically designed to create a strong, water-resistant bond between the tongue and groove; use for Laminate installations in residential full bathrooms, high moisture areas and light commercial environments; easy clean up.
- Shelf Life:** One year if unopened
- Freeze/Thaw Stability:** KEEP FROM FREEZING
- Available Units:** Single unit 16 oz. Bottle
- VOC Content:** 25 g/L; calculated and reported, SCAQMD 1168

Bruce EverSeal Adhesive

CAUTION

EVERSEAL EYE AND SKIN IRRITANT

INSTALLATION:

- Residential Laminate Flooring
- Light Commercial Laminate Flooring

PRODUCTS:

- Armstrong Laminate
- Bruce Laminate

DESCRIPTION:

- Type:** Polyvinyl acetate cross-linking emulsion (water-based)
- Color:** White when wet; dries opaque in 1 hour. Contains no visible taggants.
- Applicator:** Predrilled cap on 16 oz. bottle
- Spread Rate:** 3/32" (2.4 mm) bead up to 150 sq. ft. (500 lin. ft.)/16 oz. bottle
- Removal from Surface:** Wet: clean white cloth dampened with warm water. Dry: Can be easily peeled away. Remove residue/haze with cloth dampened with 8 oz. (1 cup) white distilled vinegar to 1 Gal. water (1:16 ratio)
- Advantages:** Nonflammable; specifically designed to create a strong, water-resistant bond between the tongue and groove; use for Laminate installations in residential full bathrooms, high moisture areas and light commercial environments; easy clean up.
- Shelf Life:** One year if unopened
- Freeze/Thaw Stability:** KEEP FROM FREEZING
- Available Units:** Single unit 16 oz. Bottle
- VOC Content:** 25 g/L; calculated and reported, SCAQMD 1168

