InSoFast®

Interior Adhesive Installation
for InSoFast UX 2.0 and EX 2.5 panels

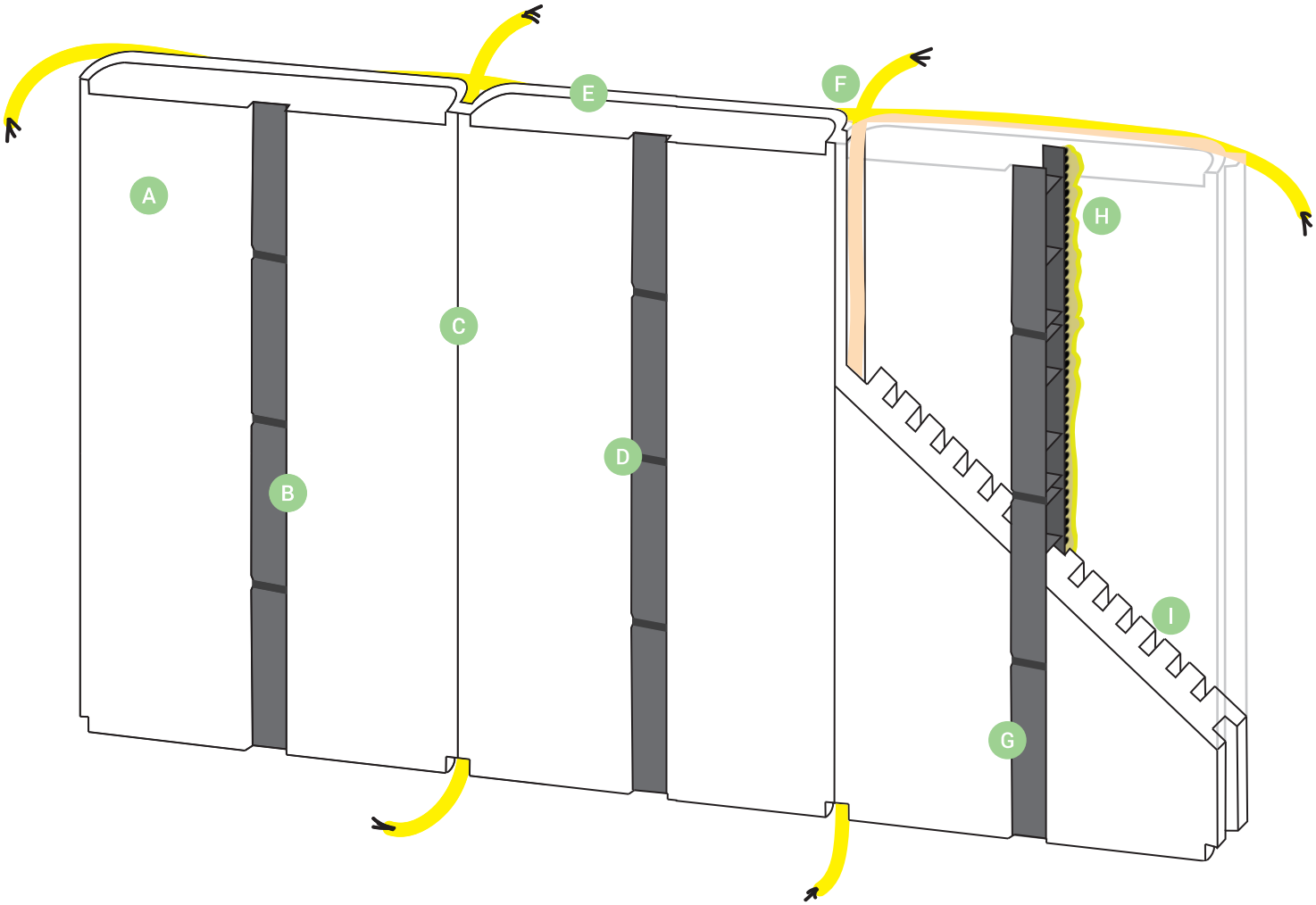
What you will need

* Loctite PL Premium® 3X Stronger Polyurethane Construction Adhesive in 28oz. tube with caulk gun, or concrete screws or nails
  -- do not use powder-actuated tools
* utility knife with long, snap-off blades
* chalk line, tape measure, sharpie
* hand saw, or power saw
* expanding spray foam

To get more detailed information, visit our website at www.insofast.com, or call us at (888) 501-7899

Please note: This guide visually depicts the adhesive installation of UX 2.0 panels for the purpose of clear stud visibility. The installation of EX 2.5 panels follows the same formula. Differences arise in the thickness of the panels where the depth of opening jambs, outlet boxes, etc. should be considered.

Made in USA, US Patent No. 8,635,824 & Patent Pending



A Foam Insulation

High density injection molded closed-cell polystyrene (EPS) insulation

* it can easily be cut, carved or grooved with a simple utility knife to fit any obstacle or protrusion

B Attachment Stud

Strong reinforced composite studs are cast into the insulation; a much more durable alternative to wood framing as it won't warp, bow, twist, shrink, mold, rot, or decay

* studs can easily be cut with a hand or power saw

C Cutting/Channel Line

Located 16" on center indicating the location of vertical wiring chases; also serves as a cutting guide to maintain offset interlock pattern during installation

D Recessed Attachment Points

Provide an alternate method of panel attachment that keeps the heads of mechanical fasteners below the surface of the UX panel

E Tongue and Groove

This interlock keeps panels flush and flat; the self-flashing design eliminates the need to tape seams

F Wiring Chases

Run vertically at 16" on center and horizontally on top of the panel; provides easy access for running wire without the need for protective plates per National Electric Code - NEC Article 330-4d, 300-41a

* designed for use with Romex® (NM sheathed wire), MC Flex, AC Flex, or rigid metal conduit

G Attachment Stud Face

The 1½" wide face provides solid attachment for drywall with the equivalent holding power of 20 gauge commercial steel studs.

* faces are not visibile on EX 2.5 panels, they are covered by ½" of extra insulation.

H Dovetailed Gluing Surface

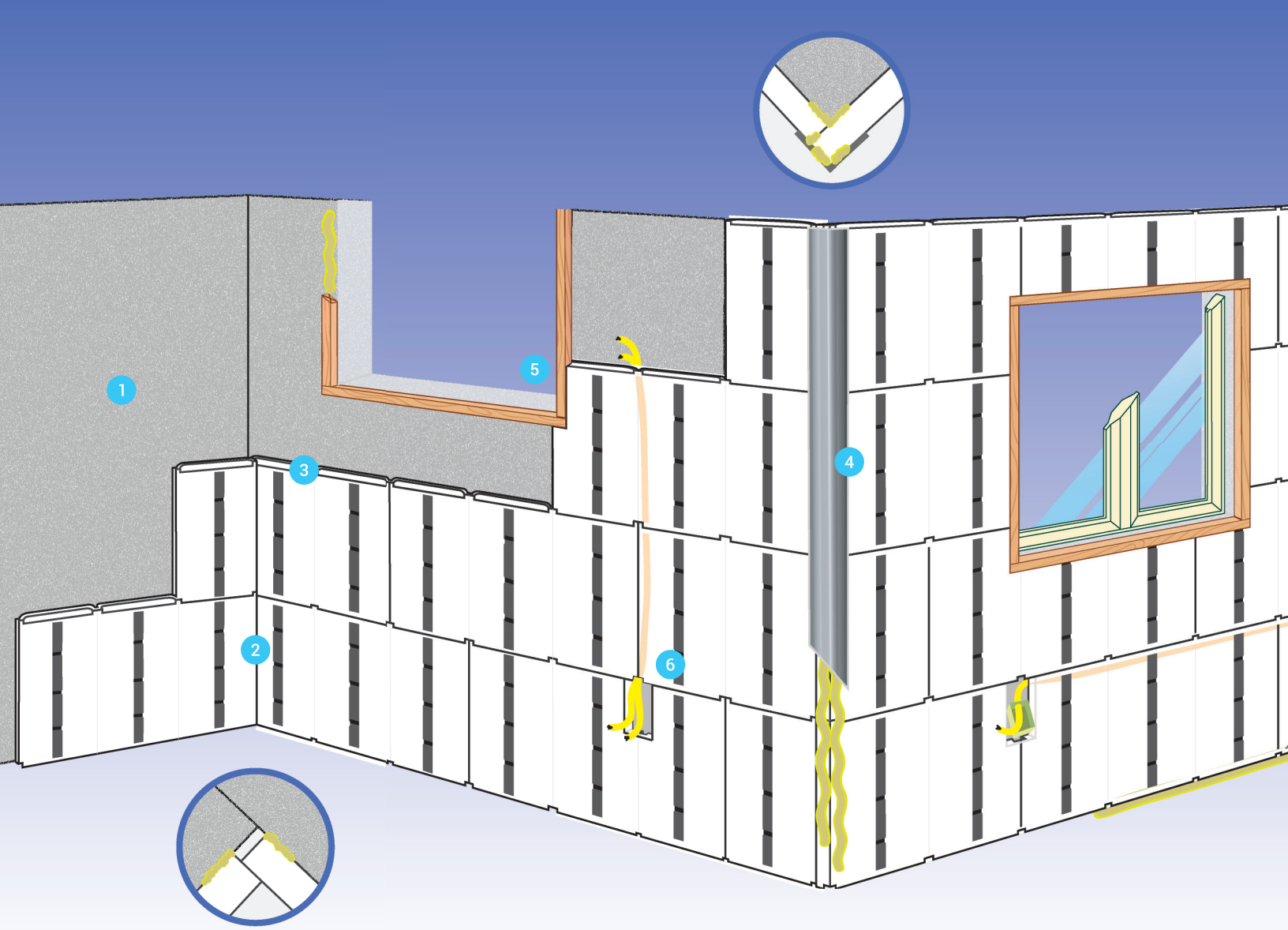
Adhesive is formed into locking dovetails providing a strong mechanical lock to the wall

* a single bead of adhesive can provide a strength equivalent to mechanical fasteners spaced 6" apart

I Drainage Plane

This feature provides valuable protection to drain water and keep your drywall dry if a leak or crack occurs

* drainage planes are built into both front and back surfaces of EX 2.5 panels



1 Prepare your walls

* remove dirt, debris, loose paint, anything that would affect the adhesive bond
* if unsure of wall condition, perform an adhesive test (see website for details)

2 Start in a corner

* run a ⅜" bead of adhesive along the dovetailed gluing surface of all three studs of a full panel
* apply an extra bead of adhesive directly to the foam within 2" of the corner of the wall
* press the panel firmly into place, repeat the process on the adjacent wall. fill out the first row.

3 Create the interlock pattern

* after placing the first row of panels, cut a panel along the cutting/channel line into a 16" and 32" section
* to create the second row, adhere the 32" section directly above the first row panel
* eliminate waste by using the remaining 16" section to start the second row on the adjacent wall

4 Outside corners

* cut panel flush with the corner, use the remainder of the panel to continue around the corner
* apply a bead of adhesive along the foam edge where the two panels meet and an additional bead of adhesive to adhere the panels to the concrete wall
* adhere metal corner for easy drywall and corner bead attachment

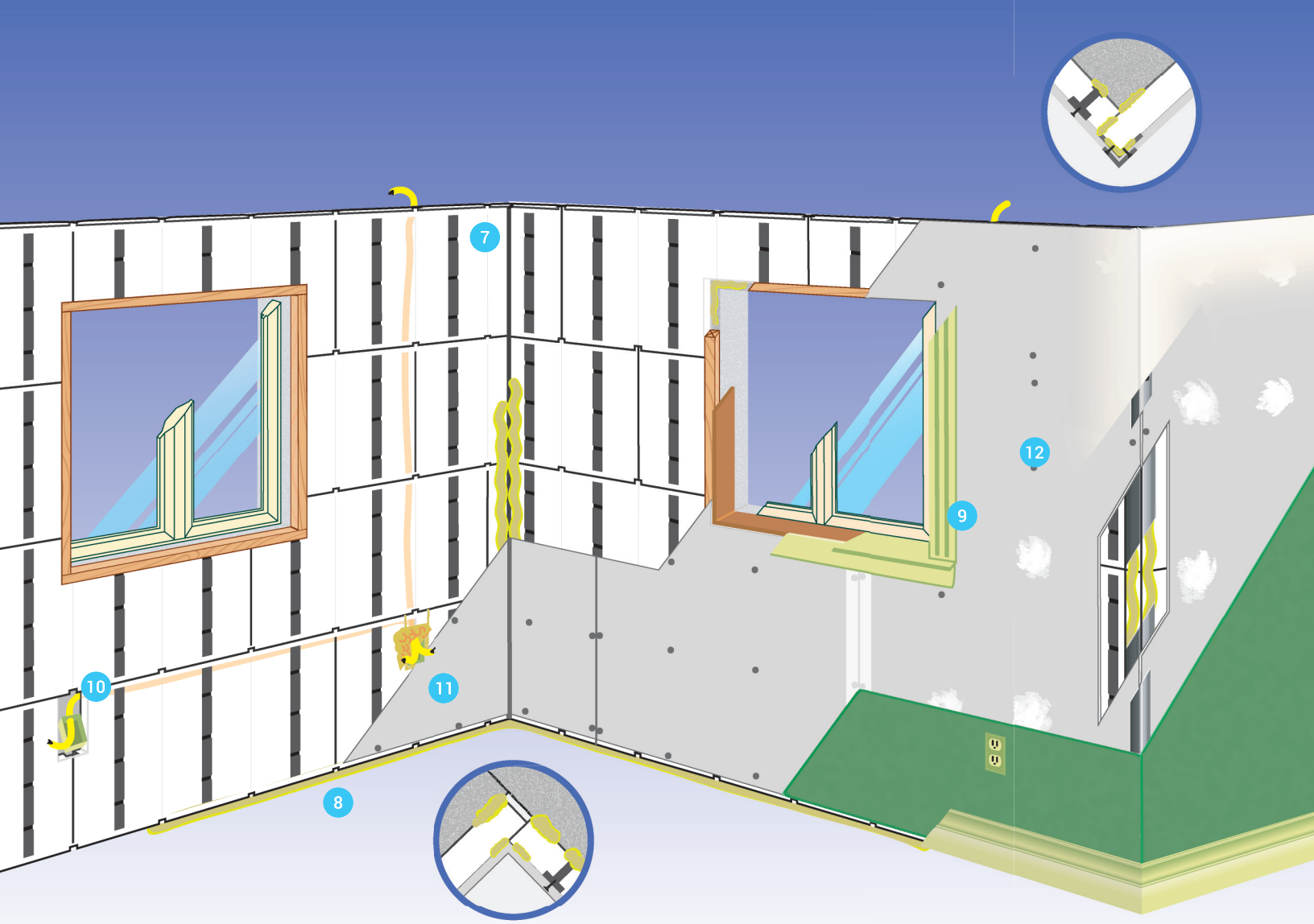
5 Windows and Openings

* Prepare all openings with wood furring that meets the thickness of the panel
* use a knife or saw to fit panels around openings

6 Electrical

Cutting an outlet box

* press an outlet box firmly into the foam to make an impression, then remove foam with a knife
* cut a pathway to run wiring from the box opening to the horizontal or vertical chaseway



7 Inside Corners

* cut panel short to leave a ¼" gap in the corner
* continue around corner with the cut off remainder to maintain interlock pattern
* apply an extra bead of adhesive directly to the foam within 2" of the corner

8 Floor and Ceiling

* for best practice, caulk or seal the panels at the floor, ceiling, corners, electrical outlets and any other penetrations or openings

9 Windows and Openings

* extension jambs should be made flush with drywall
* finish openings as usual with standard trim or drywall

10 Electrical

Wiring

* use 2½" (UX Panels) deep or 3" (EX Panels) plastic, metal or fiberglass boxes
*push or slide Romex wiring through the horizontal and vertical chases

11 Electrical

Boxes

* fill and seal around box with expanding spray foam. this serves as the code-required attachment for the wiring within 8" of an electrical box

Pre-existing outlets

* press InSoFast panel over outlet to make impression
* cut out area ½"-1" around the indentation, carve away any area marked by pre-existing conduit

12 Drywall and Trim

* attach standard or mold-resistant drywall to the InSoFast studs using all-purpose drywall screws
* nail baseboard and trim into the studs using trim a nail gun
* building codes require that a 15-minute thermal barrier, such as ½" drywall, be installed over all foam products