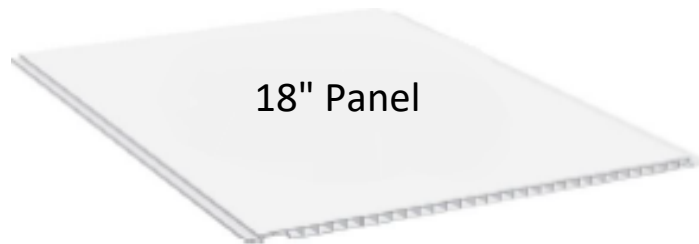# TekKor™

INSTALLATION GUIDE

This Installation Guide is suitable for 18" (450mm) TekKor™ Panel.

Panels

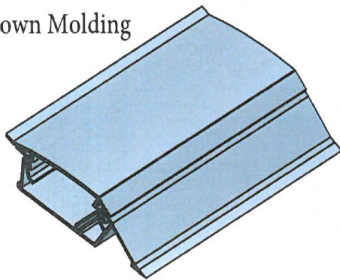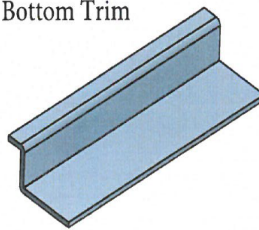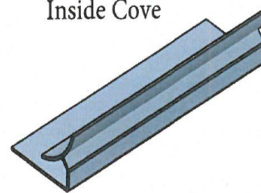18" Panel

TRIMS

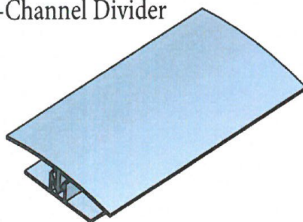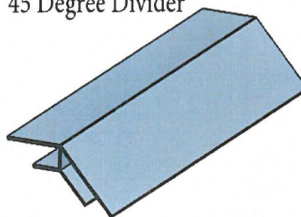Standard Length- 10' • Colors- Gray or White
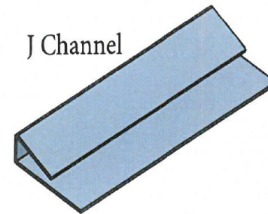
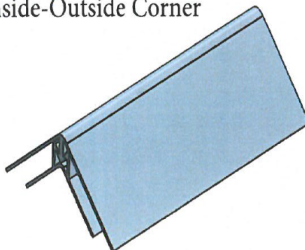Crown Molding

Bottom Trim

Inside Cove

H-Channel Divider

45 Degree Divider

J Channel

Inside-Outside Corner

TekKor™
INSTALLATION GUIDE

PLEASE READ THIS ENTIRE GUIDE PRIOR TO INSTALLATION AS THERE ARE DIFFERENT INSTALLATION METHODS FOR WALLS ONLY (PAGE 3) VS WALLS AND CEILINGS (PAGE 7).

✓ IMPROPER STORAGE WILL VOID ANY WARRANTY DUE TO DAMAGE BY DIRECT SUNLIGHT OR NOT BEING ABLE TO BREATH IN A CONFINED LOCATION.

✓ IF TekKor™ PANEL HAS BEEN PACKAGED AND SHIPPED ON A SKID, CUT ALL STRAPS AND LOOSEN ANY 2 X 4 SO THE MATERIAL IS NOT RESTRICTED FROM EXPANSION IN A CONFINED ENVIRONMENT.

✓ ALL MATERIAL SHOULD BE CLIMATIZED FOR 24 HOURS IN THE INSTALLATION LOCATION TO A MINIMUM OF 40 DEGREES FAHRENHEIT (5 DEGREES CELCIUS) PRIOR TO INSTALLATION.

✓ ALL RADIANT HEAT MUST BE AT A MINIMUM 18" (450mm) CLEARANCE FROM SURFACE OF TekKor™ Panel.

✓ PROVIDE A CLEARANCE AT EITHER END HORIZONTALLY OF ¼" (6mm) FOR THE CEILING. PROVIDE A CLEARANCE OF ½" (12mm) VERTICALLY AT THE TOP OF THE WALL.

✓ ENSURE THAT YOU OPEN THE GAP BETWEEN EACH PANEL WITH A PUTTY KNIFE TO ALLOW FOR EXPANSION IN HOTTER TEMPERATURES WHEN INSTALLING IN COLD TEMPERATURE.

Recommended Tools List

Ladders/Scaffolding	Tape Measure
Rubber Mallet	Box Cutter
Rotary Hammer Drill	Battery Drill
Drill c/w Hole Saws	Square & Straight Edge
Caulking Gun	Chalk Line
Circular Saw with Fine Tooth Blade	

TekKor™

PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION!!

- These guidelines are provided in good faith to help prevent any problems caused by common errors in installation. The manufacturer and/or distributor of this product shall not be held responsible for installation actions taken or not taken.
- There are many details of installation that are assumed to be general construction knowledge to experienced installers, which are not included in these instructions.
- These installation guidelines are intended to be strictly recommendations and are NOT to serve as a step-by-step, fail-safe installation checklist.
- Selection of an experienced installer is the sole responsibility of the project owner and architect.
- Creative Panel Solutions does not accept any responsibility for job failure resulting from or associated with improper site environmental conditions and installation failure due to expansion contraction issues.
- The warranty on Utility is void, if not installed according to installation guidelines.
- Inspection: Upon delivery carefully inspect all cartons, packages, pallets, and protective wrap for damage or shortage.
- Open and inspect suspect packages, cartons, or wrapped pallets for damage. Contact shipper immediately to report any damaged or missing materials. Failure to do so shall be at the sole risk of the installer.
- If defective materials are discovered, notify Chad Tiede (605) 951-1701 immediately (24 hours of receipt of panels). Failure to do so shall be at the sole risk of the installer.
- Uses & Applications: TekKor panels are and easy to maintain interlocking wall and ceiling panel. These panels are versatile and can be installed quickly, both vertically or horizontally, directly to studs or a substrate. TekKor panels are commonly used in a wide arrange of applications from clean rooms to farm building facilities.

Creative Panel Solutions 18447 463rd Ave • Castlewood • SD 57223 • Phone: (605) 884-9670 • Fax:(605)884-9677 • Email: chad.tiede@creativepanelsolutions.com • Website:creativepanelsolutions.com

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WALL ONLY Installation

1. Wet vs Controlled (non-wet) environment:

   a. Wet environment. Install the Inside-Outside Corner for the inside corners first. Take the trim to the top of the wall and 1" (25mm) up off the floor. Go to Step #2.

   b. Controlled environment. Install the Inside-Outside Corner for the inside corners first. Take the trim to the top of the wall and to the floor for controlled environment then go to Step #3.

2. If walls are being installed in a wet environment such as a car wash, the bottom J Channel needs to be next. You must drill a ¼" (6mm) hole in the bottom of the J Channel @ 16" (400mm) centers for water drainage when the walls are washed with a power washer (Pictures A & B). For installation, run a chalk line all around the bottom of the floor about 1" (25mm) off the floor. Install trims at a maximum of 12" centerline between screws.

Picture A	Picture B	Picture C
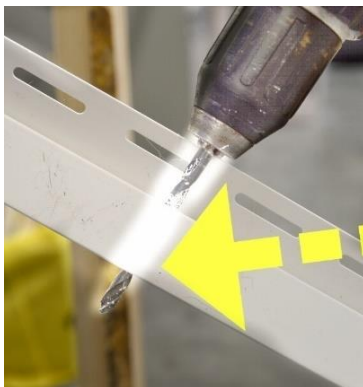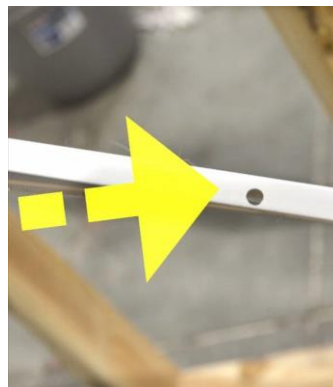
3. If the walls are installed in a controlled environment (non-wet), then the J Channel can be installed directly to the floor and no drain holes are required.

4. Install the J Channel all around the top of the wall at whatever height the wall will be installed. Cut back the face of the J Channel the same as the bottom J Channel at each corner (Pictures D & E).

Picture D	Picture E

Account for expansion with J Channel
If the wall is not going to the ceiling, then install the J Channel ½" (12mm) above the height of the panel for expansion of the panel in the J Channel. If the TekKor™ Panel is going to the ceiling, then make sure the panel is cut ½" (12mm) smaller than the opening size for future expansion.

5. Do a physical layout as it may be beneficial to have a panel seam at an obstruction or pipe penetration. If not, then measure the total distance and deduct the width of the panels being used so that you do not end up with a small sliver of a panel at one end.

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6. If you need to cut the first panel after you pre-measure, then start with this cut panel in the corner with the cut end going inside the Inside-Outside Corner and in the bottom track of the J Channel. Use a level to vertically plumb the first or second panel. You will need to "bow" the panel slightly to get it into the top J Channel as wel. Carry on installing the balance of the panels with a 24" (600mm) centerline between screws and the top and bottom screw starting at 12" (300mm).

7. If installing in a concrete or block wall, predrill with the Rotary Hammer Drill then screw the Tapcon screws with the battery drill. If going into another surface, please ensure you have the correct screw in Stainless Steel for the substructure.

Account for expansion when installing in cold temperatures Ensure that you open the gap between each panel with a putty knife to allow for expansion in hotter temperatures.

8. The last panel must be inserted into the slot of the Inside-Outside Corner with a sheetrock putty knife. This will need ¼" (6mm) clearance for expansion so ensure the last panel is cut ¼" (6mm) less than the opening width.

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Turn to next page for WALL and CEILING installation.

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TekKor™
INSTALLATION GUIDE

WALLS AND CEILING Installation

If the project is requiring installation of walls and ceilings, then there are several items that need to be determined first:

a) Is it a wet environment?
   i.   If so the J Channel needs to be installed per Step #2 on WALL ONLY Installation.
   ii. If not, then J Channel needs to be installed per Step #3 on WALL ONLY Installation.

b) Is it a food safe environment?
   i.   If so, then you need to use the Inside-Outside Corner for the wall to ceiling transition.
   ii. If not, then the assumption will be a 2-piece Crown Molding for the wall to ceiling transition.

c) ***Method for Food Safe.*** If the Inside-Outside Corner is used, then it must be installed first around the perimeter of the wall to ceiling joint. It would not matter after this installation if the wall or ceiling was installed next. If the wall is installed next, then go to the WALL ONLY Installation and start from Item #3 for the J Channel on the ground.

2. When the ceiling is installed you will first need to determine the direction of the ceiling panels.

    i. If the panels are running the length of the room and perpendicular to the trusses, then you **MUST make sure that you received H-Channel Divider Trim** to join the lengths together.

    ii. If both the panels and joists are running the width of the room, then a sub-frame needs to be installed at 24" (MM) centers. Once the sub frame is completed, then proceed to install the ceiling panels as in Item 3 (Picture I).

Picture I

3. Start at one end and clip the end of the panel into the Inside-Outside Corner that has already been installed. Ensure to pull it back with a ½" (12mm) gap for expansion if installed in cold weather. Fasten to the joists at a minimum of every 24" (600mm). If you do not hit a joist you can add a piece of wood blocking at the end of the panel so the H-Channel Divider has a fastening point. Keep with this procedure until the last panel needs to be cut leaving the ½" (12mm) gap when it is slid into the Inside-Outside Corner.

Now it is time to install the wall panels. You can install the wall panels exactly as per the section **Installation for a WALL ONLY Installation.** The only difference is that the panel will be inserted into the track of the Inside-Outside Corner instead of the J Channel at the top. Everything else is the same.

4. *Method for Regular Installation.* Install the ceiling without any trim at the junction of the ceiling and wall. Ensure you leave the required clearances at each end for future expansion if installed in cold weather. After installation of the ceiling panels, install the J Channel based on the method of whether the J Channel goes all the way to the floor or not. Once all the wall panels are installed (as per WALL ONLY Installation) then you need to go back and install the Crown Molding Base and Cap. Premeasure and miter cut for each corner with the base and cap installed together (Picture J). Install the Crown Molding Base first and ensure the screw is fastened in the little track (Picture K). This will allow the flex piece to not have any bulges. Then slip in the Crown Cap to cover up all the screws.

Picture J   Picture K

If you have any questions, please contact Chad Tiede
at Chad.tiede@creativepanelsolutions.com

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