

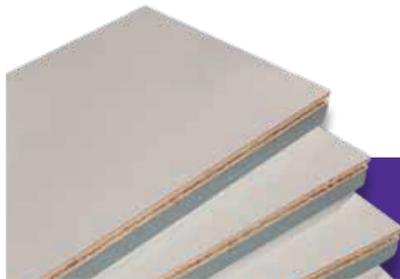
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## SMART

- Save time, DRICORE SMARTWALL® provides an easier, quicker build versus conventional wood or steel construction methods.
- Insulating basement walls helps to reduce the cost of heating a home.
- Meets all National Building Code and Electrical Code Requirements so you can feel confident installing DRICORE SMARTWALL®.

## EASY

- DRICORE SMARTWALL® panels easily lock together using a tongue & groove system.
- DRICORE SMARTWALL® panels come with micro beveled edges which eliminates the need for traditional taping and mudding.
- A typical 20' x 20' room installs in just a couple of days.



### PLAN SMARTWALL®

Use this area to determine how many blank panels, outside corners, light switch panels, and wall plug panels you require.

$$\text{Room Linear footage} \div 1.8 = \text{Number of Panels required (Accounts for 10\% waste)}$$

BLANK PANEL	OUTSIDE CORNERS	LIGHT SWITCH PANEL	WALL PLUG PANEL

Determine the location of electrical outlets based on the local building code.

#### For planning purposes:

- Estimate using 1 wall plug panel Every 8–10ft.
- Determine how many light switch panels you require per room.
- Determine how many outside corners You will need.



Panels measure 21.75" Wide x 96" High



### 25 YEARS OF SOLID PROTECTION

For complete warranty details

Visit [www.dricore.com](http://www.dricore.com)



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PATENT PENDING

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# BUILD FASTER. FINISH SOONER.

DRICORE SMARTWALL® SIMPLIFIES BASEMENT FINISHING.



Installation Instructions Inside

PATENT PENDING



### WHY DRICORE SMARTWALL®?

Basement finishing has never been this fast. With DRICORE SMARTWALL®, you will avoid the many hold-ups associated with typical basement finishing, such as framing, drywalling, taping and mudding and the overall mess of the project. The all-in-one engineered SMARTWALL® panel requires fewer steps, less time and less labour to finish a basement.

### GET THE JOB DONE 5X FASTER COMPARED TO CONVENTIONAL BASEMENT FINISHING METHODS.

Unlike the multi-step process of conventional construction methods, DRICORE SMARTWALL® combines framing, insulation, drywall and a vapour barrier in one fast step. The result, a **R17.4 high performance** wall panel that simplifies basement finishing.

The SMARTWALL® system has several unique conveniences built into the panel design. The first of these are the integrated wire channels, of which there are 2 vertical and 3 horizontal in every panel. Certified for Electrical Safety to CSA Standard C22.2 No. 203.

### FAST TO INSTALL & FINISH

The second convenience of the SMARTWALL® system is the patented "Micro Bevel" edge detail, which eliminates the traditional taping stage of finishing the drywall surface. The micro bevel also means using much less filler to achieve a finished surface, resulting in far less sanding and therefore less dust created. It also speeds up the process of the drywall finishing, reducing to a single day what would normally be 3 to 4 days of much more intense work. It is important to use ONLY the SMARTWALL® Patch Pro for seaming the micro bevels.

DRICORE SMARTWALL® panels weigh just 30 lbs., are conveniently sized (2' x 8' nominal) and are easy to cut with regular power tools. In one step, lock the tongue and groove panels together to form your finished walls.

DRICORE SMARTWALL® panels come pre-primed and are ready for final paint to complete the basement project.

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## IMPORTANT SAFETY INFORMATION

### PERSONAL PROTECTIVE EQUIPMENT

Wear goggles or safety glasses, work gloves and an approved dust mask when cutting panels. Use an approved respirator in dusty or enclosed spaces.

### VENTILATE THE WORK SPACE

Accumulated wood dust can contaminate a home and be a food source for mold. To prevent in-home dust concentrations, clean up dust and cut panels outside or in a well ventilated garage.

### TOOLS REQUIRED

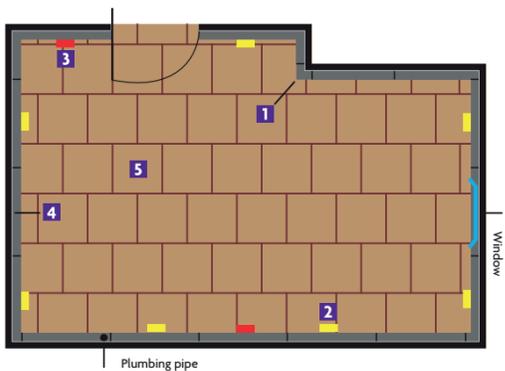
- Safety shoes
- Hand saw
- Two saw horses or stands
- Level and Tape Measure
- Scissors
- 2" and 6" Drywall Trowels
- Drill and screw driving bit
- Chalk line and plumb line
- 4" Hole saw (if needed)
- Safety glasses

### HOW MANY PANELS ARE REQUIRED?

Refer to the sample basement below to assist you in calculating how many light switch panels, wall plug panels, and outside corners you require.

### SAMPLE FLOOR PLAN

FIGURE 1



- 1 Outside Corner
- 2 Wall Plug
- 3 Light Switch
- 4 Blank Panel
- 5 Dricore® Subfloor

## INSTALLATION

### 1. PLAN THE LAYOUT

REFER TO FIGURE 1

- How much DRICORE Subfloor® do I need?
- Length of each wall?
- How many blank wall panels do I need?
- How many light switches panels do I need?
- How many electrical outlet panels (1 every 8-10 feet) do I need?

### 2. INSTALL DRICORE® SUBFLOOR

- Always start your basement project with the proper foundation.

### 3. INSTALL TRACKS

#### Top track first

- Attach to floor joists – use 2" x 2" lumber.

#### Floor track second

- Attach to Subfloor – use 2" x 2" lumber.
- Leave a 2" space at each bottom corner.
- Offset track by 2 5/8" from the front of the top track to the front of the bottom track.



### 4. INSTALL THE FIRST WALL PANEL

- Measure the height and cut the top of panels to size – never cut the bottom.
- Secure the panel using 2 1/2" screws at the bottom and 5" screws at the top.

### 5. INSTALL SUBSEQUENT PANELS

- Use Wall Plug & Light Switch panels as needed.
- It is recommended to install one Wall Plug every 8-10 feet or as required by the local building code.



## INSTALLATION

### 6. INSTALLING INSIDE CORNERS

- Cut the last panel to fit by removing the tongue side.
- When installing first new section of wall use a bead of PL Premium Glue at the inside corner.



## INSTALLATION

### 8. INSTALLATION OF WIRING

**Wiring should always be installed by a licensed electrician.** If possible, it is best to feed the wires through the horizontal channels as you install the panels. However, your electrician must first approve. Otherwise, the wiring can be run after all SMARTWALL® panels are installed by using a wire fish. The SMARTWALL® system is only rated for 15amp circuits.

- DO NOT install 20amp circuits or larger in the SMARTWALL® system.
- The intended operational voltage of the SMARTWALL® system is 120VAC.



### 9. FINISHING THE PANELS

One of the many conveniences of the SMARTWALL® system is the patented "Micro Bevel" edge detail, which eliminates the traditional taping stage of finishing the drywall surface. The micro bevel also means using much less filler to achieve a finished surface, resulting in far less sanding and therefore less dust created. It also speeds up the process of the drywall finishing, reducing to a single day what would normally be 3 to 4 days of much more intense work. It is important to use ONLY the SMARTWALL® Patch Pro for seaming the micro bevels and inside and outside corners seams. It is specially formulated not to crack in normal use applications.

### SEAMING THE PANELS

Ensure the panel seams are clean and free of dust, dirt and debris. Using a 2" putty knife, force the compound into the seam, and when the seam is completely filled, scrape off the excess from the surface. It is recommended to do two coats, a minimum of 2 hours apart. Once the seams are filled, sand lightly to remove any excess, and the panels are ready for paint.



**HAVE MORE QUESTIONS?**  
Find a detailed installation guide at  
[www.dricore.com](http://www.dricore.com)



Certified for Electrical Safety to  
CSA Standard C22.2 No. 203