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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



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PATENT PENDING

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BUILD FASTER. FINISH SOONER.

DRICORE SMARTWALL® SIMPLIFIES BASEMENT FINISHING.



Installation Instructions Inside

PATENT PENDING



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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

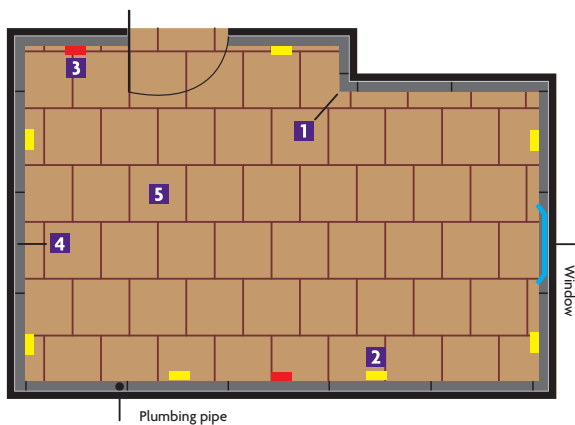
- Safety shoes
- Hand saw
- Two saw horses or stands
- Level and Tape Measure
- Scissors
- 2" and 6" Drywall Trowels
- Drill and screw driving bit
- Chalk line and plumb line
- 4" Hole saw (if needed)
- Safety glasses

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



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