

MADE IN USA

THE AFFORDABLE NON-POROUS MADE IN THE USA WALL PANEL SOLID SURFACE WET WALL PANEL SYSTEM



Avonite Wet Wall Panel System offers the perfect solution for today's building demands. Solid surface panels are the preferred choice for the challenging environments found in today's healthcare, military and education facilities requiring optimal performance in wet conditions. And with the availability of Avonite's 60-inch panel widths, **you can now have the premium performance of solid surface for the cost of tile.**

AVONITE
WET WALL
PANEL
SYSTEMS

flexibility
performance
durability





Seamless solid surface
wall panels like Avonite are
recommended by:

- **American Institute of Architects (AIA)**
Guidelines for Design and Construction of Healthcare Facilities
- **United Facilities Guideline Specifications collectively approved by:**
 - U.S. Army Corps of Engineers
 - Naval Facilities Engineering Command
 - Air Force Civil Engineer Support Agency
 - National Aeronautics & Space Administration (NASA)



PREMIUM PERFORMANCE for the price of tile

Now you can get the beautiful performance of Avonite solid surface materials for about the same price per square foot as tile. The exclusive Avonite manufacturing process delivers wet wall panels that reach corner to corner for faster installation and a seamless surface that impedes the growth of pathogens. Dollar for dollar, year after year, Avonite is the preferred choice for today's wet environment building demands.

AVONITE

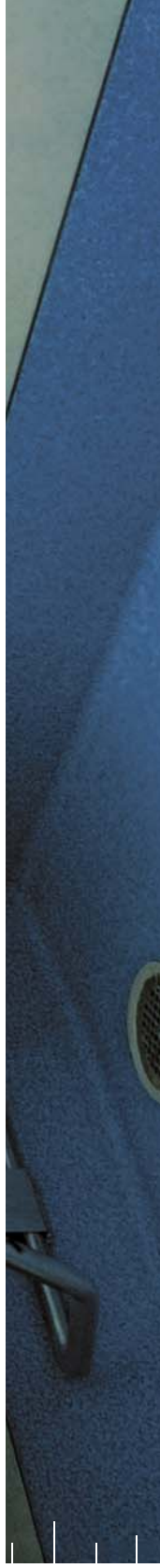
- Preferred choice for wet wall applications
- Affordable, low cost of ownership
- Easy, seamless installation thanks to 60" wide panels
- Continuous nonporous surface is the ideal strategy for infection control
- Easy maintenance and long life cycle

TILE

- Expensive and time-consuming to install, clean and maintain
- Rough surfaces/grout encourage bacteria and mold growth
- Can leak through substrate causing costly structural damage and mold
- Low cost materials

AVONITE VS. TILE

The advantage of Avonite goes beyond the cost per square foot!



SOLID ADVANTAGES OF AVONITE — FLEXIBILITY

Compared to other molded box products, the Avonite Wet Wall System delivers superior performance, durability, and flexibility to solve any design challenge. Reaching corner to corner without battens or joints, Avonite is easily adapted to the size and function to meet design demands, all at a competitive price as compared to other products. Molded products that come in a box kit lack the flexibility to fit any size requirement. Tile may have flexibility but comes with a very high cost of ownership. Because of the drawbacks of these other products, solid surface materials like Avonite are the perfect choice for showers, wet rooms, operating rooms and other wet area wall protection.



THINK OUTSIDE THE BOX

Custom solutions are not found in a box. The Avonite Wet Wall Panel System is a commercial component system that allows you to craft the exact solution you need. The seam-less wall panels are the only solid surface options available in oversized widths (36"/48"/60" by 96" high). Combine the sizes and components you want for the right fit.

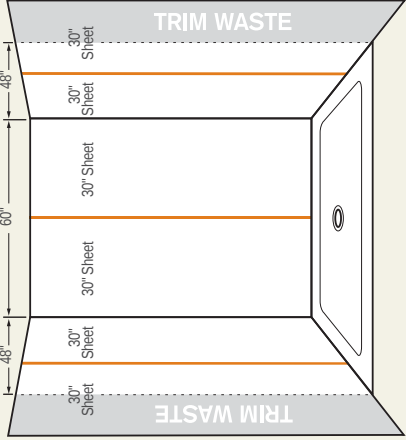
WIDE SHEETS = BIG SAVINGS

THE COST-SAVING ALTERNATIVE TO THE 30" WIDE SHEET

The performance advantages of solid surface wall protection are easy to see. More and more building owners are discovering the hidden cost of tile and asking for better solutions. As they are introduced to solid surface as a solution, many are hesitant because of the initial higher investment. Installation labor is a major contributor to the typical high cost of solid surface wall protection. Most solid surface sheets are only 30" wide. Our wall panels are available 60" wide. The graphic reveals the extra labor costs and waste using 30" solid surface sheets from another manufacturer. In this example, a single unit can cost \$720 more. Below are some examples with more units.

1 UNIT	75 UNITS / DORMITORY	250 UNITS / PATIENT ROOM	500 UNITS / MILITARY BARRACKS
ADDITIONAL LABOR + MATERIAL COST TO SEAM 30" PANELS ADDITIONAL LABOR + MATERIAL COST TO SEAM 30" PANELS ADDITIONAL LABOR + MATERIAL COST TO SEAM 30" PANELS	ADDITIONAL LABOR + MATERIAL COST TO SEAM 30" PANELS ADDITIONAL LABOR + MATERIAL COST TO SEAM 30" PANELS ADDITIONAL LABOR + MATERIAL COST TO SEAM 30" PANELS	ADDITIONAL LABOR + MATERIAL COST TO SEAM 30" PANELS ADDITIONAL LABOR + MATERIAL COST TO SEAM 30" PANELS ADDITIONAL LABOR + MATERIAL COST TO SEAM 30" PANELS	ADDITIONAL LABOR + MATERIAL COST TO SEAM 30" PANELS ADDITIONAL LABOR + MATERIAL COST TO SEAM 30" PANELS ADDITIONAL LABOR + MATERIAL COST TO SEAM 30" PANELS
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TOTAL FABRICATION SAVINGS \$ 720.00	TOTAL FABRICATION SAVINGS \$ 54,000.00	TOTAL FABRICATION SAVINGS \$ 180,000.00	TOTAL FABRICATION SAVINGS \$ 360,000.00

FEWER SEAMS AND LESS WASTE



● Extra Seams = \$200 each x 3 = \$600
○ 16 sq. ft. of waste = \$120
Extra costs per unit = \$720

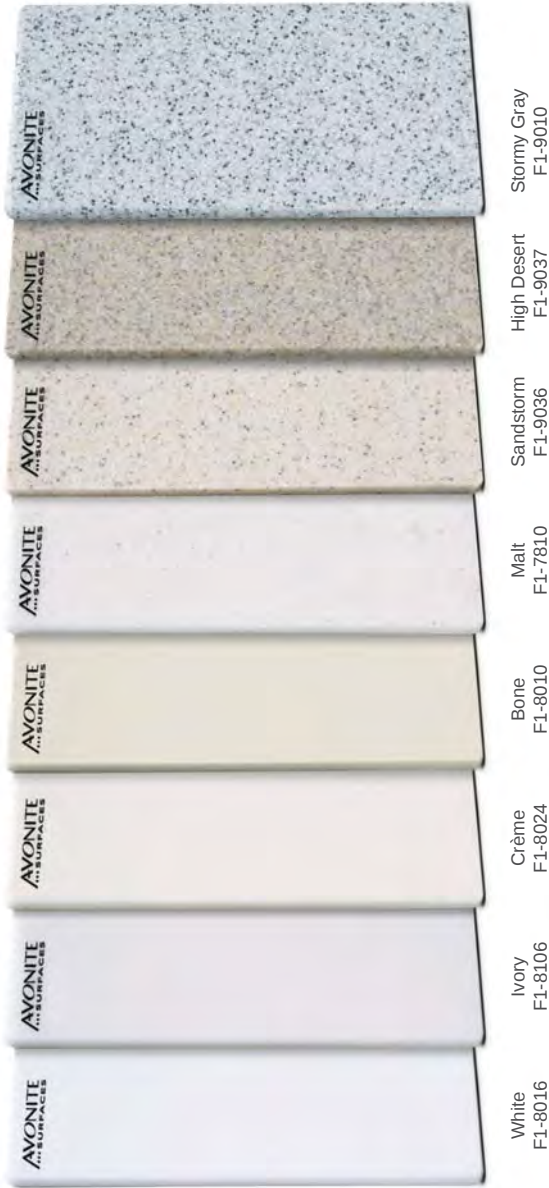
The healthier choice. Avonite wall panels are nonporous with no crevices to minimize moisture retention that could lead to the growth of pathogens.

To protect and serve. Avonite wall panels are resilient, manageable and affordable, making them ideal for military bases and buildings.

The smart solution. College dormitories and educational buildings will benefit from easy maintenance and long life cycle of Avonite wall panel systems.

PERFORMS BEAUTIFULLY

Flexibility without sacrifice. Avonite wall panels are available in three standard widths (36", 48" and 60") by 96" tall, and eight enduring and timeless colors. These sizes and color standards were developed for optimum flexibility. Our wet wall panels have high impact resistance and solid surface durability that comes with the Avonite Surfaces 10 year limited warranty.



PREFERRED APPLICATIONS

Avonite Wet Wall Panels is the preferred choice for today's commercial projects, such as healthcare, educational and military facilities. Whether it's a shower or an entire wet room, Avonite delivers.

- Bath / Showers
- Operating Suites
- Scrub-In Areas
- Wainscoting



Avonite is the only major solid surface material manufactured exclusively in the United States. It's also the only solid surface material available in widths of 36", 48" and 60" and a full 96" high. Our panel system keeps water in and gives pathogens no place to grow. Whether you need to protect the whole room or install traditional shower units, using Avonite panels and optional components is the ideal solution for the stringent demands of commercial construction projects such as hospitals, dormitories and military housing.

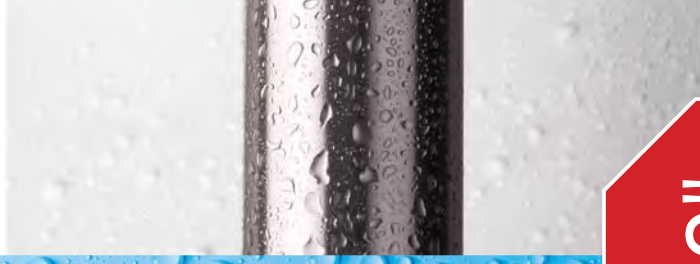


WIDEBETTER

30" marks the end of the road for other solid surface companies. Their plants are built to service the residential kitchen counter top market. Our entire facility and process is designed to produce high quality wide acrylic sheets. It is the largest continuous cast acrylic plant in the world.

30"

Other products
stop short at 30"
standard width.





WET WALL PANEL SIZE OPTIONS

The Stocked Standards

Eight colors

36" | 48" | 60" by 96" Tall

Our extra wide standards serve a broad range of applications.
From traditional shower stalls to full room wall protection.
Using solid surface for vertical performance is no longer
a specialized high labor niche choice. Avonite wall panels
make solid surface an everyday building material.

36"

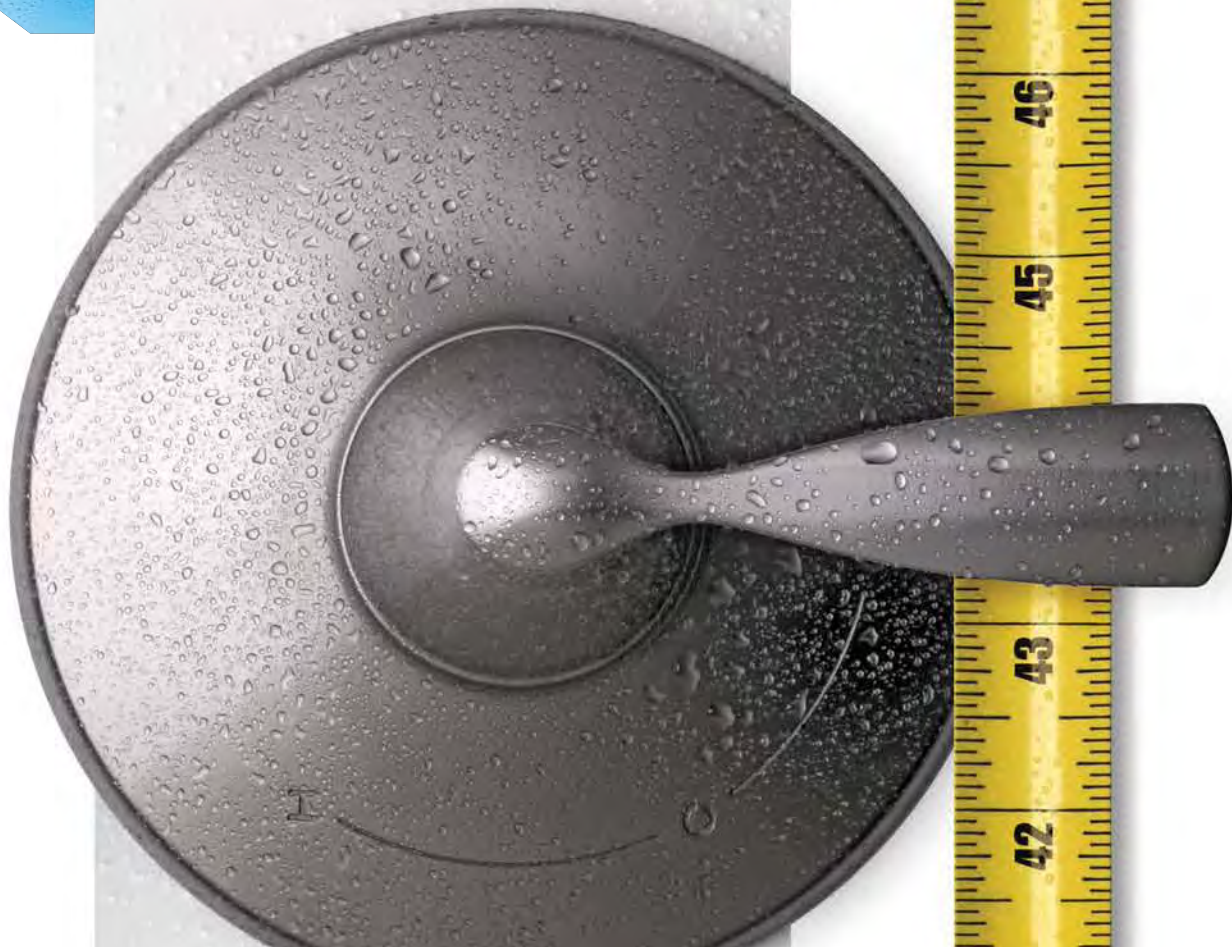
AVONITE
STANDARD WIDTH





STANDARD WIDTH CUSTOM HEIGHT

To help lower costs and reduce waste, we will produce custom height panels for your project. Choose from the standard eight colors and one of our standard wide widths (36"/48"/60"), and get the height you want for very small minimum order requirements.



48"

AVONITE
STANDARD WIDTH

3

TOTAL CUSTOM SIZE PROGRAM

Don't let the word "custom" scare you. Our total custom size program provides substantial savings in labor and material costs while preventing waste. Total custom means you can order any size you need. Widths can range between 27" – 60" and heights can range between 84" – 204". Minimum order requirements apply but are usually met with even medium size projects. Our experienced team members will help you use the program and ensure materials are ordered and delivered throughout the project.



60"

AVONITE
STANDARD WIDTH



ACCESSORIZE BEAUTIFULLY

Available in the eight standard Avonite colors, optional accessories help complete the job in style. Seamless and easy to clean, these integrated shower accessories are durable for long-lasting performance.

THE COMPLETE SYSTEM — WALL PANELS, PANS, ACCESSORIES & TRIM

The Avonite Wet Wall Panel System was developed with the input of leading designers to provide flexible solutions for multiple commercial applications. Rarely are any two installations the same. Select only the components you require. The optional pans and accessories are mold casted solid surface for long-term durability. These cast products are available in the standard 8 system colors. The Inside Corner and Finish Trim are machined from matching 1/2" thick sheet material. Standard trim length is 96".



Inside Corner Trim



Finish Trim



Corner Shelf Soap Dish
5 x 5 x 7.5"
(12.7 x 12.7 x 2cm)



Double Recessed
Shampoo and Soap
Holder
12 x 18 x 3.75"
(30 x 46 x 9.5cm)

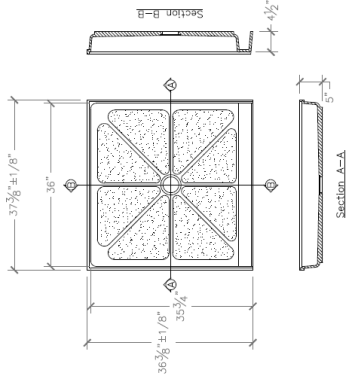


Recessed Shampoo and
Soap Holder
8 x 15 x 3"
(20 x 38 x 7.6cm)

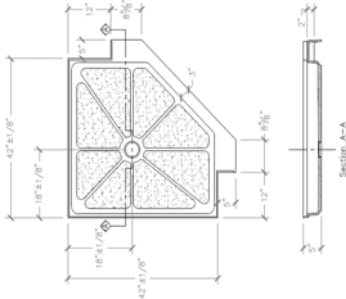


Corner Shampoo and
Soap Holder
8.5 x 14.25 x 5.37"
(22 x 36 x 13.6cm)

STANDARD MODELS

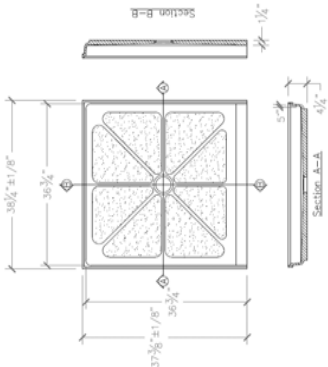


36" x 36" Full Curb

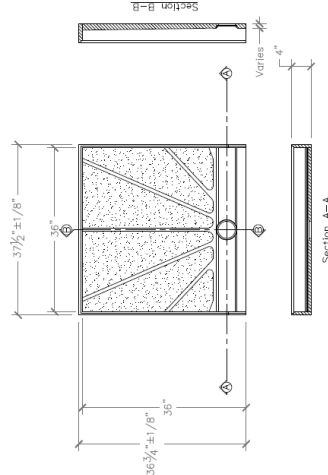


42" x 42" Neo Angle

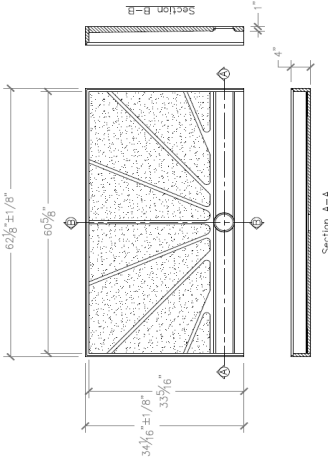
ADA ACCESSIBLE MODELS



36" x 36" Low Curb



36" x 36" Front Trench



33" x 60" Front Trench

THE SOLID CHOICE

Avonite solid surface shower pans are homogenous throughout the heavy duty thickness and are repairable if damaged.

The ADA accessible models must be installed per applicable codes to meet requirements.

CUSTOM WIDTH AND LENGTH

Custom width and length models with desired drain location are our expertise. Please contact us for your customized shower base quotation.

PRODUCT SPECIFICATIONS

STANDARD WALL
PANEL DIMENSIONS

¼" (6mm) thickness

36 x 96" (914 x 2,438mm)

48 x 96" (1,219 x 2,438mm)

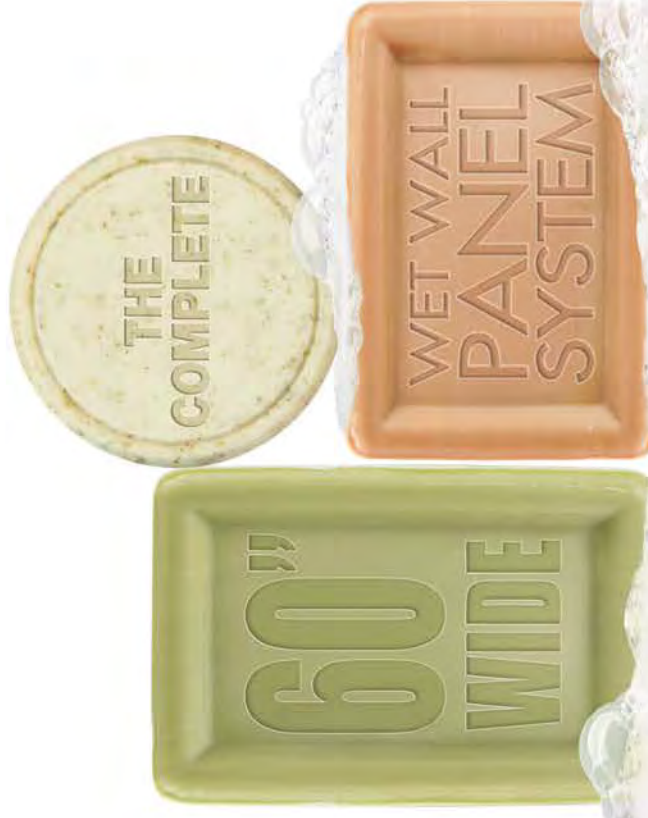
60 x 96" (1,524 x 2,438mm)

PROPERTY	TYPICAL RESULT	TEST METHOD
Specific Gravity	1.6	ASTM D-792
Water Absorption (24hrs)	0.004%	ASTM D-570
MECHANICAL		
Tensile Strength	4,000 psi	ASTM D-368
Tensile Modulus	1,100,000 psi	ASTM D-368
Tensile Elongation	2.1%	ASTM D-368
Flexural Strength	8000 psi	ASTM D-790
Flexural Modulus	1,100,000 psi	ASTM D-790
Barcol Hardness	60	ASTM D-2583
Rockwell Hardness	86	ASTM D-785
Un-notched Izod Impact	1.40 ft.lbs/inch	ASTM D-4812
Notched Izod Impact	0.31 ft.lbs/inch	ASTM D-256
Ball Impact (½ lb. ball)	>150 inches	NEMA LD3-3.8
Total Volatile Organic Compound	6.91µg/m2/hr	ASTM D5116
THERMAL		
DTUL @ 264 psi	200°F	ASTM D-648
Coefficient of Thermal Expansion	2.3 x 10-5 in/in°F	ASTM D-696
Boiling Water Resistance	No Effect	ISSFA SST 8.1-00
High Temperature Resistance	No Effect	ISSFA SST 9.1-00
Flame Spread	<25	ASTM E 84
Smoke Generation	<25	ASTM E 84
Combustion Toxicity	96 (solid colors) 67 (patterns)	Pittsburgh Protocol (LC50 Test)
SURFACE		
Cleanability	Pass	NEMA LD3
Stain Resistance	No Effect	NEMA LD-3.9
Stain Resistance	Pass	ANSI Z 124.3
Consistency of Color (same sheet)	Pass	ISSFA SST 2.1-00
Light Resistance	No Effect	ISSFA SST 7.1-00
Food Zone Use	NSF 51 Approved	NSF
Fungal/Bacterial Resistance	Does not support microbial growth	ASTM G-21
HIV-Resistance	Disinfected surface does not support HIV	Protocol 61-074-1
Aircraft: FAA Part 23 or 25	Acceptable	FAR 25.853
Federal Motor Vehicle Safety Stnd.	Pass	
Canadian Motor Vehicle Safety Stnd.	Pass	

MILITARY HOUSING CASE STUDY

FORT BENNING, GEORGIA

- A military housing project at Ft. Benning required 500 showers
- Avonite Surfaces produced custom-sized wall panels of 60 x 78" and 60 x 30"
- Using standard 30 x 98" solid surface sheets would have created 20 sq. ft. of waste per unit
- That is 10,000 sq. ft. of waste costing \$70,000 and 11 tons of scrap into landfill
- Our 60" wide wall panel eliminated the seam on the back wall saving \$100,000 in labor
- Choosing the Avonite Wet Wall System for this project saved a total of \$170,000.





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