



InterXect with Excel Panels - Technical Data

Contact

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General Product Description

Recommended Uses

INTERXECT EXCEL™ Walls are a flexible, demountable, wall panel and stud system ideally suited for demising, offices, medical patient rooms, and commercial architectural settings, etc.

Product Composition

Wall Panels - High definition printed artwork is bonded a recycled, cold rolled, commercial quality steel substrate using a patented bonding process which prevents delamination. Panel is backed with 5/8" Type X gypsum and roll formed for exacting tolerances.

Sound Insulation - HealthGuard™ made from recycled PET fiber such as reclaimed soda bottles, carpet fiber, etc.

Stud And Track Components - 24 gauge high recycled content cold rolled commercial quality galvanized steel.

Basic Limitations

EXCEL™ walls are for non-structural demising or decorative applications. EXCEL™ Extreme Duty Wall is not intended for use as a structural component in any application regarding safety, support for humans, or in applications where metal fatigue or failure could result in injury, death, or ancillary property damage.

EXCEL™ Extreme Duty Wall panels should not be subjected to temperatures higher than 150°F for sustained periods of time as glossing of the decorative artwork finish can occur.

Finishes

EXCEL™ Extreme Duty Wall is available in 9 standard finishes. Hundreds of custom finishes are available. Wood Finishes, Solid Color Finishes, and Abstract Finishes are available. Please visit www.starwallusa.com for available finishes.



Custom Finish Availability

Due to the nature of the printing process, custom EXCEL™ Durable Demising Walls are subject to sizable minimum order quantities. Please contact your local EXCEL™ distributor for additional information.

EXCEL Panel Sizes	Corners & Trim Molding Sizes
96", 108" , 120" Panels x 24" Width	10' Lengths

**Standard Sizes (in Bold Italics)*

NOTE: Custom Widths of 8" to 24" available

Typical Properties of Panel & Trim Surface

Test	Standard	EXCEL Surface
Fire Rating	ASTM E-84 UL-723	Class A
Color Fastness	Xenon-meter	No Appreciable Change 300hrs
Heat Stability	NEMA 11-14-95	No Appreciable Change
Chemical Resistance Benzene Ethanol n-Hexane HCL - 10% NaOH - 10% H ₂ SO ₄ - 10% Ca(OH) ₂ - Saturated	NEMA 11-14-95	No Appreciable Change
Solvent Resistance Toluene MEK Ethyl Acetate Acetone	NEMA 11-14-95	Some Change
Abrasion Resistance	ASTM-D1044	500 Cycles Minimum
Impact Resistance	8 oz Steel Ball Dropped 2"	No Appreciable Change
Stain Resistance Distilled Water Orange Peel Lemon Peel Mineral Oil Cloudy Ammonia Chlorox (disinfecting & cleaning) Milk Cola Coffee Tea Ketchup Prepared Mustard Bacon Grease Hamburger Grease	EN 438/2.15 and NEMA LD3.4	No Appreciable Change

Typical Properties of Panel Substrate

Property	EXCEL Architectural Wall Panels
Surface Treatment	Galvannealed ASTM A653 A30 designation
Quality	Cold Rolled Commercial Quality (CRCQ)
Alloy	1018-1020
Steel Gauge	24 gauge
Steel Gauge Tolerance	+/- .0025"
Standard Panel Width	24" +/- .005" Standard (others available)
Gypsum Backer	5/8" nom Type X gypsum



Typical Properties of Stud & Track Components

Property	EXCEL Stud & Track Components
Surface Treatment	Galvannealed ASTM A653 A30 designation
Quality	Cold Rolled Commercial Quality (CRCQ)
Alloy	1018-1020
Steel Gauge	24 gauge
Steel Gauge Tolerance	+/- .0025"
Stud Length	8', 9', 10' standard
Track Length	10' standard



Typical Properties of Corner & Trim Substrate

Property	EXCEL Corners & Trim
Surface Treatment	Phosphate Type Cleaner
Quality	AA Prime Mill Finish
Alloy/Temper	6061 T3
Aluminum Gauge	Varies by component
Standard Length	10' standard



Codes and Certifications

General Standards

EXCEL™ Extreme Duty Wall conforms to the standards of the Aluminum Association, Steel Association, and other associations for dimensional tolerance, alloy, temper, performance; and surface appearance specifications.

Property	Test	EXCEL
Fire Rating	ASTM E84 (UL723)	Class A - 1 Hour
Sound Transmission Class (STC)		50 est.

Installation Fabrication and Assembly Recommendations

EXCEL™ Extreme Duty Walls can be installed over any flat stable floor surface such as cement, low pile carpet, wood, etc. EXCEL™ Extreme Duty Walls can be used as demising walls; room dividers, as decorative perimeter walls, as a traditional gypsum wall replacement, walls in fixtures and display configurations, and other non-load bearing applications. EXCEL™ Extreme Duty Walls may not be used as structural members or components.

Installation is completed by securing bottom track to floor through the use of mechanical fasteners such as Tapcon™ style anchors, screws, etc. Top track is plumbed to bottom track and secured to suspended ceiling track or directly to the deck above through use of self tapping screws, etc. Studs are then snapped into top and bottom track with the use of 90 degree stud extenders at each end. Once plumbed to 24" centers, the stud extender brackets are screwed into place with sheet metal style screws. Sound batting is then installed into stud cavity along with stud spacers. Corner pieces are then snapped into studs. Wall is completed by snapping wall panels into studs and trimmed with L or T style trim at the top. Rolled cove base is then used to trim bottom edge at floor. Doors, windows, and utility boxes are cut into EXCEL™ wall panels using suitable jigsaw, spiral saw, etc. Follow the techniques recommended by the saw manufacturer. Horizontal separators can be incorporated into the wall to support a flush-mount whiteboard or to increase overall project height.

Warranty

Manufacturer warrants that, EXCEL™ Extreme Duty Walls under normal use, will conform to the standards set forth on the EXCEL™ Extreme Duty Wall technical data sheets for a period of twelve (12) months from the date of sale to the first consumer purchaser. Manufacturer will also warrant EXCEL™ Extreme Duty Wall for a period of (10) years against delamination of the artwork from the steel substrate. In the event that this product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product that is defective, at the manufacturer's sole discretion.

This warranty applies only to product in its original installed form from the first consumer buyer. This warranty is not transferable, and expires upon resale or transfer by the first consumer purchaser. This warranty shall not apply to defects or damage arising for any of the following caused by accidents, abuse, improper installation or fabrication, misuse, or failure to properly prepare the bonding surface.



NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE MADE. UNDER NO CIRCUMSTANCES SHALL MANUFACTURER BE LIABLE FOR ANY LOSS OR DAMAGE ARISING FROM THE PURCHASE, USE OR INABILITY TO USE THIS PRODUCT, OR FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES. NO FABRICATOR, INSTALLER DEALER AGENT OR EMPLOYEE OF MANUFACTURER HAS THE AUTHORITY TO MODIFY THE OBLIGATIONS OR LIMITATIONS OF THIS WARRANTY.

This warranty gives you specific legal rights, and you also may have other rights that vary from state to state; therefore, some of the limitations stated above may not apply to you. It is to your benefit to save your documentation upon purchase of a product.

Care and Maintenance

The decorative surface may be cleaned with warm water and mild detergents or dishwashing soaps. Do not use cleansers that contain abrasives, they will scratch or damage the decorative surface. Household cleaners such as Fantastick®, 409®, and other like products may be used on stubborn stains. Always test any new cleaner in an inconspicuous spot to ensure no degradation of the surface will occur.

Do not allow any of the following chemicals to remain in prolonged contact with the decorative surface:

- Bleach (except for disinfecting)
- Greater than 10% solutions of, hydrochloric, sulfuric, or nitric acid
- Caustic solutions containing lye (drain cleaners commonly use lye)
- Sodium bisulfate
- Potassium permanganate
- Juice from staining berries
- Violet (genetian)
- Bluing
- Fabric dye
- Alcohol containing iodine
- Hydrogen peroxide solutions

Repair and Finishing

EXCEL™ Extreme Duty Walls can be finished with urethane-based topcoats for higher gloss and shine. Finishing steps must be in accordance with the manufacturer's application instructions and performed when the laminate is in its final bonded position. Cracking, crazing, or complete delamination of the topcoat will occur if applied to the laminate sheet prior to bonding or forming. Repair of scratches and gouges can be done through the use of high quality furniture repair kits. Follow repair kit instructions. Avoid repair kits that use an iron in direct contact with the laminate surface as this may increase the gloss level of the finish in that area. Please note that this method will not provide a complete repair if damage is extensive. In such cases, see your local EXCEL™ distributor or starwallusa.com for a replacement panel or trim piece.

Technical Questions

For technical assistance with any of the following technical specifications, please contact us Monday through Friday, 8am-5pm, EST.