
porter

WALL PADDING

CHOOSE YOUR LEVEL OF PROTECTION
with industry-leading pads from Porter.
Three levels of protection are available.

! Wall padding specifications can be complex. With fire rating and impact rating requirements prevalent in many architectural specifications today, it is important to inform owners, contractors, designers, and specifiers of the reasoning for such specifications. It is equally important to see that these specifications are appropriately delivered in the final product.

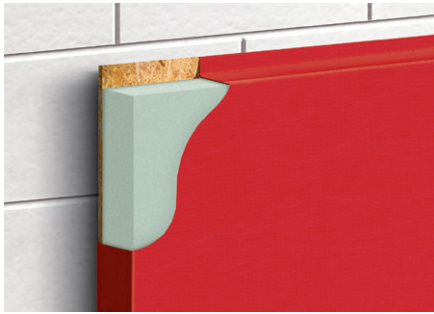


WALL PADDING

Porter wall pads have been vigorously tested to exceed industry safety standards.

Choose your level of protection. All Porter pads feature:

- Foam Bonded To 7/16" Oriented Strand Board (OSB)
- Entire Pad Including Nailing Margins (where applicable) is Upholstered In Heavy 15oz Vinyl
- Vinyl has a 100PSI Tensile Strength With Leatherlike Embossed Finish And Is Available In 14 Colors
- Custom Graphic Printing Available
- Pads Available With Impact Protection Certifications And/Or Fire Certifications.
- Custom Sizes Available.



IMPACTSAFE

Our standard ImpactSafe wall pad features a closed-cell foam that exceeds impact rating requirements of ASTM F2440-04.



IMPACT PROTECTION
Exceeds ASTM F2440



Type of Foam:

Impact resistant closed-cell foam.

Vinyl:

Vinyl-coated 15 oz. high tensile polyester fabric material with a tear strength of 100 P.S.I. Material is designated flame resistant in accordance with NFPA 701. Mildew and rot resistant. Phthalate free.

Backing:

Oriented strand board backing (OSB) - 7/16".



FIRESAFE

The FireSafe pad has been tested in accordance with NFPA 286 to meet International Building Code and NFPA 101 Life Safety Code requirements.



FIRE PROTECTION
Meets criteria of NFPA 286

Type of Foam:

Medium density fire retardant foam

Vinyl:

Vinyl-coated 15 oz. high tensile polyester fabric material with a tear strength of 100 P.S.I. Material is designated flame resistant in accordance with NFPA 701. Mildew and rot resistant. Phthalate free.

Backing:

Oriented strand board backing (OSB) - 7/16".



SUPERSAFE

Our safest wall pad on the market. The SuperSafe pad exceeds criteria for ASTM F2440-04 and has been tested in accordance with NFPA 286 to meet IBC and NFPA 101 code requirements.



IMPACT PROTECTION
Exceeds ASTM F2440



FIRE PROTECTION
Meets criteria of NFPA 286

Type of Foam:

High density fire retardant foam

Vinyl:

Vinyl-coated 15 oz. high tensile polyester fabric material with a tear strength of 100 P.S.I. Material is designated flame resistant in accordance with NFPA 701. Mildew and rot resistant. Phthalate free.

Backing:

Oriented strand board backing (OSB) - 7/16".

MANUFACTURER COMPARISON: WALL PADDING

	PORTER ATHLETIC	GARED / PERFORMANCE SPORTS SYSTEMS	DRAPER	AALCO	PROMATS
ASSEMBLY MEETS NFPA 286 ASSEMBLY MEETS ASTM F2440	✓ SUPERSAFE SERIES	X	✓ ECOVISION FIRERATED	X	X
ASSEMBLY MEETS NFPA 286	✓ FIRESAFE SERIES	X	✓ ECOVISION FIRERATED	X	X
ASSEMBLY MEETS ASTM F2440	✓ IMPACTSAFE SERIES	✓ MODEL #4120	✓ ECOVISION ¹	? MODEL #SWP	✓ MODEL: WZTBHI
NO RATINGS ON ASSEMBLY	X	✓ MODEL #4110	X	? MODEL #SWP	X

¹ Multiple foam thickness selections available. Manufacturer does not designate which thicknesses meet ASTM F2440 criteria.

Chart based upon published manufacturer specifications.

Certificates should ALWAYS be requested and provided to establish that relevant ASTM / NFPA standards have been satisfied.

WALL PADDING SPECIFICATIONS- WHAT DOES IT ALL MEAN?

WALL PADS COMMONLY CONSIST OF THREE PRIMARY COMPONENTS

- Rigid Backing Board
- Foamed Plastic Filler
- Textile or Vinyl Facing or Cover

Each component may carry individual specification ratings for particular standards- including fire ratings and impact ratings. This **DOES NOT** mean that the entire pad assembly carries the rating of the individual component.

THE ENTIRE PAD, AS A COMPLETE PANEL ASSEMBLY, SHOULD BE EVALUATED USING STANDARD TESTS.

FIRE RATING SPECIFICATIONS

Wall pads have been identified as a potential fire hazard and threat to the safety of building occupants. As such, model building codes and life safety codes exist to better address the fire hazards that wall pads can present.

NFPA 286

Wall pads must be tested in accordance with NFPA 286 in order to comply with International Building Code or NFPA 101 Life Safety Code.

The NFPA 286 test should simulate the conditions of actual product use. Solely testing in accordance with ASTM E84 does not appropriately qualify a wall pad assembly for code compliance, under current guidance of the International Building Code and the NFPA 101 Life Safety Code.

Wall pads are treated as interior finishes within a building, not decorative materials or furnishings. Wall pads are often permanently or semi-permanently installed and as such should be considered interior wall surfaces. Wall pads are often placed within close proximity to marked exit doors and other areas of egress- making it even more critical that a pad assembly complying with NFPA 286 criteria is selected.

ASTM E84 / NFPA 255 / UL 723 (NOT SUFFICIENT)

ASTM E84 is no longer considered a sufficient testing standard for wall pads or other foamed plastics, per the guidance of International Building Code and NFPA 101. Wall pads must be tested in accordance with NFPA 286 to satisfy these code requirements. ASTM E84 is considered an acceptable testing standard for other interior finishes.

IMPACT RATING SPECIFICATIONS

ASTM F2440

ASTM has established standard specification F2440 as a means to identify a minimum level of protection for impact and shock absorption properties in wall padding. Two criteria are measured: Head Injury Criterion (HIC) and G-Max.

ASTM Standard Specification F2440 requires a missile to be dropped from a minimum height of 4'-0", with the resulting g-max value **not to exceed 200**. The Head Injury Criterion (HIC) **must not exceed 1,000**.

WHY SELECT PADS THAT MEET THESE STANDARDS?

Several unfortunate accidents have occurred in gymnasiums over the past several years. By specifying and selecting pads that meet the aforementioned safety standards, liability risk is greatly reduced.