



PREFOAM™ Dry fit riser system is the most economical, time-saving, and flexible solution for permanent tiered seating construction. eomac is the Exclusive EU & UK Distributor.

Timely Installation — Fully installed in a matter of days not weeks

Money saving — PREFOAM™ is the most cost effective method of conversion or new construction of stadium riser platforms

Minimum impact of shipping — Primary materials are lightweight and can be locally sourced throughout the world

Load bearing capacity — The foam is extremely strong and can be offered in a range of densities

Acoustic properties — Foam is a solid mass which stops sound transfer, being superior to metal stud or timber construction acoustically

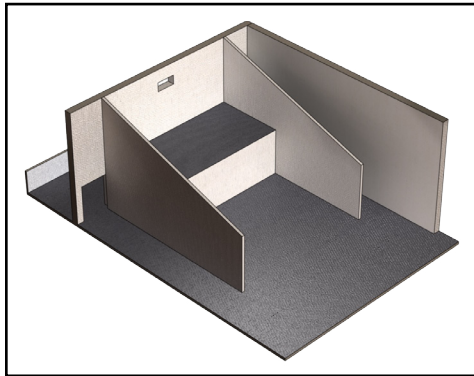
Flexible — Ability to shut down half of the auditorium in an existing multiplex, while the other half stay operating during renovation

Green qualities / LEED — The PREFOAM™ is 100% recyclable and made with a minimum of 10% post-consumed material

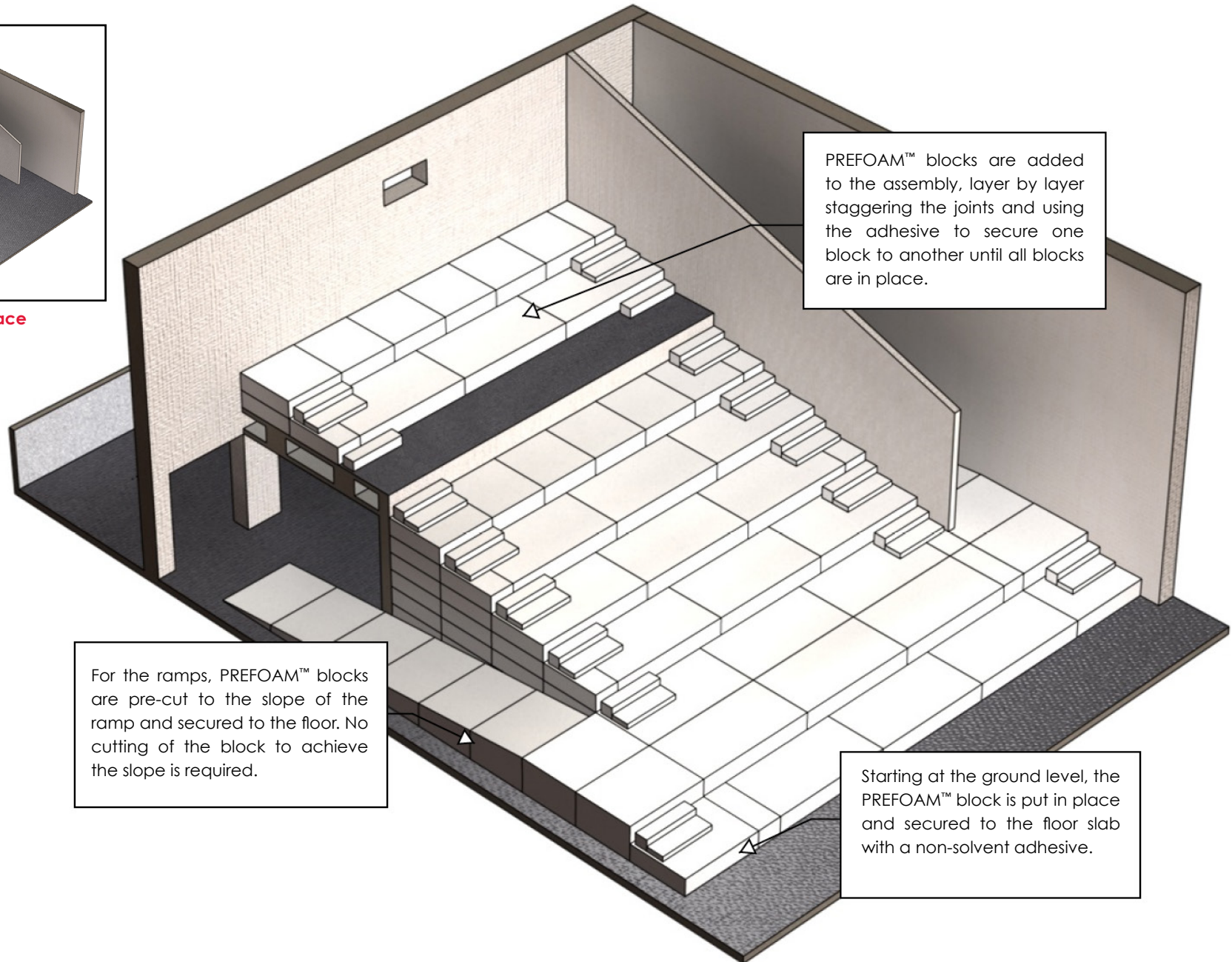
For more information on PREFOAM™ dry fit riser system, please contact us:

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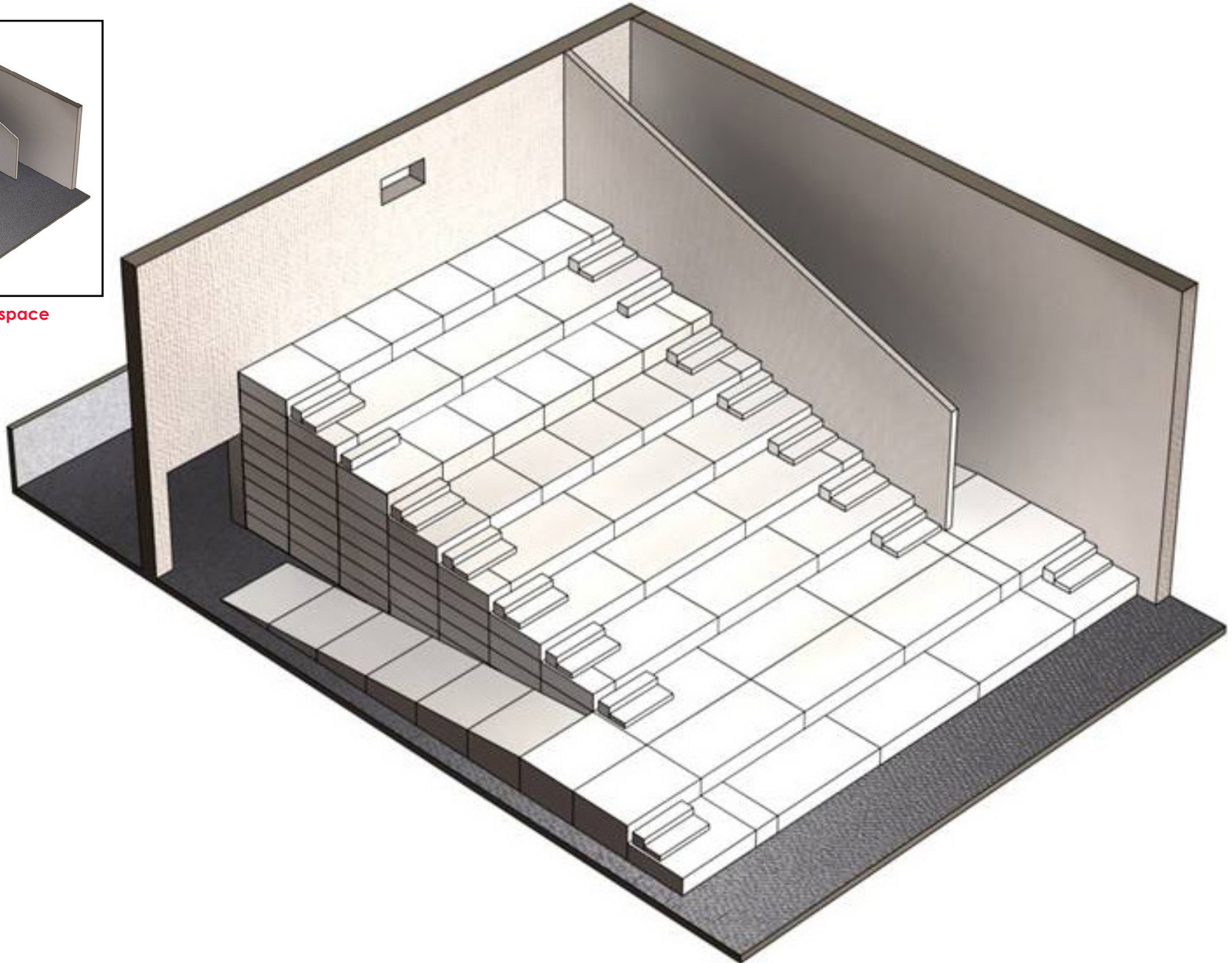


Auditorium with undercroft space





Auditorium without undercroft space



4° Wedge to demonstrate
sloped floor conversion

Plywood OR Cement Board

EPS Foam Blocks



PREFOAM™ dry fit riser system is ideal for converting the current slopped floor auditoria into stadium seating or renovating existing stadium seating auditoriums with a deeper or wider stadium platform. PREFOAM™ involves the use of EPS (expanded polystyrene) foam blocks as the primary material for prefabricated system. EPS, also known as Geofoam, has very low density, good insulation, low hydraulic conductivity, as well as strength and deformation properties that complement soil behaviour.

EPS can be cut into virtually any size or shape. In traditional applications, EPS accelerates civil construction, expands possible solutions for difficult soil problems (e.g. retaining structure for slope stabilisation), has excellent load distribution characteristics and reduces construction costs. Moreover, EPS can be used as void filler material for standard concrete-poured platforms, thus reducing overall cost of the concrete platform.

PHYSICAL PROPERTY REQUIREMENTS OF RCPS GEOFOAM^{A,B}

TYPE	EPS12	EPS15	EPS19	EPS22	EPS29	EPS39	EPS46	XPS20	XPS21	XPS26	XPS29	XPS36	XPS48
Density, min., kg/m ³ (lb/ft ³)	11.2 (0.70)	14.4 (0.90)	18.4 (1.15)	21.6 (1.35)	28.8 (1.80)	38.4 (2.40)	45.7 (2.85)	19.2 (1.20)	20.8 (1.30)	25.6 (1.60)	28.8 (1.80)	35.2 (2.20)	48.0 (3.00)
Compressive Resistance, min., kPa (psi) at 1%	15 (2.2)	25 (3.6)	40 (5.8)	50 (7.3)	75 (10.9)	103 (15.0)	128 (18.6)	20 (2.9)	35 (5.1)	75 (10.9)	105 (15.2)	160 (23.2)	280 (40.6)
Compressive Resistance, min., kPa (psi) at 5%	35 (5.1)	55 (8.0)	90 (13.1)	115 (16.7)	170 (24.7)	241 (35.0)	300 (43.5)	85 (12.3)	110 (16.0)	185 (26.8)	235 (34.1)	335 (48.6)	535 (77.6)
Compressive Resistance, min., kPa (psi) at 10% ^A	40 (5.8)	70 (10.2)	110 (16.0)	135 (19.6)	200 (29.0)	276 (40.0)	345 (50)	104 (15.0)	104 (15.0)	173 (25.0)	276 (40.0)	414 (60.0)	690 (100.0)
Flexural Strength, min., kPa (psi)	69 (10.0)	172 (25.0)	207 (30.0)	276 (40.0)	345 (50.0)	414 (60.0)	517 (75.0)	276 (40.0)	276 (40.0)	345 (50.0)	414 (60.0)	517 (75.0)	689 (100.0)
Oxygen index, min., Volume %	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0

^A If yield occurs prior to 10% deformation, report compressive resistant and deformation at yield in addition to the compressive resistance at 1%, 5% and 10% deformation.

^B For products that have an external skin, testing shall be undertaken with skins intact.

DEMO PREFOAM™ ASSEMBLY PROGRESS



