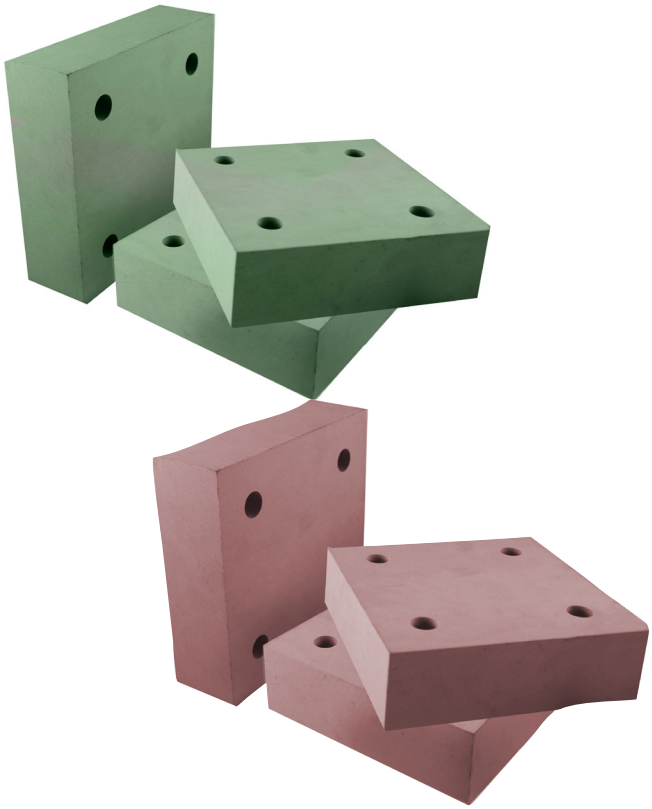
FSI®
FASTENER SYSTEMS INCORPORATED

DUNA CORAFOAM® Column Bearing Blocks

ensure a building's ultimate thermal, structural, and moisture-resistant performance. This high density polyurethane, closed-cell structural foam is typically secured at the base of the foundation and attached to steel load bearing columns in the early stages of construction. CORAFOAM® Column Bearing Blocks are the most reliable solution on the market since they maintain their R-value over time. The incorporation of these Column Bearing Blocks reduces the potential for thermal bridging by creating the necessary thermal break between the slab and steel column. This creates a more energy efficient structure, particularly when the project design components are focused on climate and harm-reduction. DUNA's proprietary production process and dedication to product development ensure you are getting the highest quality product available.



Mechanical and Thermal Properties of CORAFOAM® U Series Thermal Break & Column Bearing Blocks

Properties	Test MethodC	ORAFOAM® U280	CORAFOAM® U310
Density	ASTM D1622	28 lb/cu ft	31 lb/cu ft
Compressive Strength @ 2% deformation	ASTM D1621	740 psi	1010 psi
Compressive Strength @ 10% deformation	ASTM D1621	2100 psi	2300 psi
Compressive Modulus	ASTM D1621	58000 psi	63000 psi
K-factor @ 50°F	ASTM C518	0.47 BTU·in/hr·ft²·°F	0.50 BTU·in/hr·ft²·°F
R-value @ 50°F	ASTM C518	2.1	2
Operating temperature		-328°F / +176°F	-328°F / +176°F
Color		Brown	Purple

HANDLING NOTICE: In some applications polyurethane may present fire risks, e.g. if exposed to fire or to excessive heat in presence of oxygen or air, including when welding or cutting with torches.

It is the Customer's responsibility to determine if product described herein is appropriate for Customer's purposes and end-use and to ensure that working place, storage and disposal practices are in compliance with any applicable law.

USES & APPLICATION AREAS

- Incorporated at the base of a steel column, at the building's slab
- Provide support at the base of the build's structure
- Create a thermal break between slab and column
- Tank Isolation Protection and support at cold-storage facilities

ADVANTAGES

- Minimal loss of energy, regardless of the foundational temperature difference
- Offers superior compressive strength in support of column
- Over time, blocks resist distortion from the load through creep resistance
- Comprised of material that is biologically and chemically inert, blocks will not decompose nor rot, and does not contribute to steel corrosion
- Insects or vermin are not attracted or supported by this material, nor does it contaminate surrounding soil with chemical release
- Cost-effective method for connections under structural load
- Easy installation with cut-to-size specifications
- Most adhesives, concrete, and grout are compatible with CORAFOAM® Column Blocks
- Guaranteed performance standards are certified through methodological certified testing

LEAD TIME

These are custom fabricated to meet the design specification for your job. Please allow 4-6 weeks for delivery.

REV100323

1901 US-287, Corsicana, TX 75110 | 10554 Chandler Rd., La Vista, NE 68128 | 1210 American Blvd., West Chester, PA 19380
1-800-232-5060 www.fastenersystems.com