

About DiversiTech

DiversiTech Corporation is North America's largest manufacturer of equipment pads and a leading manufacturer and supplier of components and related products for the heating, ventilating, air conditioning, and refrigeration (HVACR) industry.

Headquartered in the Atlanta, GA metropolitan area, DiversiTech manufactures a suite of products, which includes a wide range of mechanical, electrical, chemical, and structural parts for HVACR systems. The company maintains manufacturing and distribution facilities in key U.S. locations and in the Far East. DiversiTech has enjoyed a continued history of successful growth and has acquired industry-recognized brand names including Wagner Manufacturing and Specialty Chemical.

ULTRALITE PADS

Download an electronic version of this brochure at:
www.diversitech.com/literature/lit-fly-uc.pdf

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UltraLite Pads are made by DiversiTech, North America's largest manufacturer of equipment pads.

FEATURES & BENEFITS

LIGHTWEIGHT At an average weight of 2-1/2 pounds per square foot (12 kg. per square metre), the UltraLite lightweight concrete pad is one of the lightest equipment mounting products available today. Lightweight products are important for ease of handling on job site.

DURABLE The exterior of the UltraLite lightweight concrete pad is specifically engineered for long-term exterior weather resistance.

DUCTILE The skin and core of the UltraLite lightweight concrete pad is specifically engineered for flexibility and ductility demanded of job site handling. Additionally, the ductility of the outer skin facilitates conformance to slight ground contours without fracture.

TIME/LABOR SAVINGS Time is money, and hence any time savings on site translates into money saved. The UltraLite lightweight concrete pad literally installs in seconds while providing a solid foundation for the condensing unit.

CONCRETE SURFACE The concrete external skin of the UltraLite lightweight concrete pad is not subject to ultraviolet degradation or weathering discoloration.



VIBRATION ABSORBING The engineered polystyrene core to the UltraLite lightweight concrete pad absorbs and dampens vibration associated with normal operation of a condensing unit.

FREEZE/THAW RESISTANT

The UltraLite lightweight concrete pad is vapor permeable. Water vapor evaporates through the pad, hence the concrete outer skin is not subject to expansion cracks.

FLAME RESISTANT

The concrete outer skin of the UltraLite lightweight concrete pad is resistant to heating caused by the compressor. Additionally, the surface is resistant to heat from incidental torch flame during site installation.

OUTSIDE STORAGE The UltraLite lightweight concrete pad is intended for life in the outdoors. As such, the pad is suitable for exterior storage prior to site installation.



CHEMICAL RESISTANCE



In normal usage conditions an equipment pad can be exposed to a variety of chemicals. The UltraLite pad has been fully tested in accordance with ASTM D2299 for resistance against:

- R-22 and R-134a
- Compressor oil
- Salt solution, 20 percent by volume
- Synthetic canine urine

The UltraLite pad performs extraordinarily well under these testing criteria. UltraLite does not craze, soften, delaminate, or spall under exposure in this test.

FREEZE/THAW TESTING



The UltraLite pad has been independently tested to the rigorous freeze-thaw regimen specified by ASTM C67. This standard dictates a twenty-five cycle freeze-thaw sequence. The freeze portion of the sequence takes place with the top surface of the UltraLite pad under 1/2" (12 mm) of water. Once twenty-five cycles are complete, the pad is examined using visual magnification. No cracks or crazing is permitted. UltraLite has performed flawlessly.



TECHNICAL DATA

LOADING



To achieve the maximum permissible pad load capacity, the earth under the pad must be capable of supporting the transmitted compression load of the UltraLite pad. All values tabulated assume the earth has a bearing capacity of at least 1000 pounds per square foot (48 kPa).

The allowable loads assume a uniformly distributed loading on the pad surface (that is, a relatively flat-bottomed condenser unit in contact with the pad). For condenser units with footpads or other point loads, the maximum concentrated load for any size UltraLite pad is 125 pounds per 2" (56 kg per 50 mm) diameter (or equivalent surface area) footpad.

Specifications

July 2010

Product

UltraLite® Equipment Pads

Description

UltraLite®: the UltraLite® Equipment Pads are composed of Type I expanded polystyrene foam (EPS) having a nominal 1.0-pound-per-cubic-foot (16.0 kg/m³) density. The pads are molded in a form in which a cement slurry and polypropylene fiber mat are bonded to five sides of the EPS foam. The pad is offered in both a 2 inch (51mm) or 3 inch (76mm) thickness. The composite coating is approximately 7/32 inch (5.6mm) to 1/4 inch (6.4mm) thick on the pad surface. The products are available in various sizes as indicated in Package Metrics. Illustration is in Figure 1.

Application

The equipment pads support air-conditioning compressor and condensing units as required per building code in accordance with the load limitation set forth in Package Metrics.

Installation

The equipment pads are installed directly on undisturbed natural soil or compacted fill that has been cleared and leveled. The pad is then placed on the soil and the equivalent located thereon. The soil must be nonexpansive and have a minimum allowable foundation pressure of 1,000 pounds per square foot (48 kPa) as determined by the building official.

Each equipment pad is identified with an adhesive-backed label indicating UltraLite®. Each pallet/package of pads is further identified with the DiversiTech Corporation, address, telephone number and the evaluation report number.

Tables and Drawings

Package Metrics

Producer of Goods DiversiTech

Domestic/Foreign
Commodity Domestic

SKU Specific Package Metrics

| Catalog No. | Size | Thickness | Allowable Total Load | UPC | Pad Weight | Pallet Weight | Pallet Quantity |
|-------------|-----------|-----------|----------------------|--------------|------------|---------------|-----------------|
| UC1636-2 | 16" x 36" | 2" | 754 lbs. | 095247410101 | 11 lbs. | 250 lbs. | 20 |
| UC2424-2 | 24" x 24" | 2" | 595 lbs. | 095247410149 | 15 lbs. | 323 lbs. | 20 |
| UC2430-2 | 24" x 30" | 2" | 833 lbs. | 095247410163 | 17 lbs. | 361 lbs. | 20 |
| UC2436-2 | 24" x 36" | 2" | 1071 lbs. | 095247410187 | 22 lbs. | 455 lbs. | 20 |
| UC2448-2 | 24" x 48" | 2" | 1547 lbs. | 095247077779 | 18 lbs. | 385 lbs. | 20 |
| UC2626-2 | 26" x 26" | 2" | 754 lbs. | 095247410248 | 17 lbs. | 365 lbs. | 20 |
| UC2628-2 | 26" x 28" | 2" | 849 lbs. | 095247077793 | 19 lbs. | 397 lbs. | 20 |
| UC2636-2 | 26" x 36" | 2" | 1101 lbs. | 095247077809 | 21 lbs. | 446 lbs. | 20 |
| UC3030-2 | 30" x 30" | 2" | 1071 lbs. | 095247410286 | 21 lbs. | 441 lbs. | 20 |
| UC3036-2 | 30" x 36" | 2" | 1309 lbs. | 095247410309 | 27 lbs. | 571 lbs. | 20 |
| UC3040-2 | 30" x 40" | 2" | 1468 lbs. | 095247124466 | 30 lbs. | 617 lbs. | 20 |
| UC3143-2 | 31" x 43" | 2" | 1627 lbs. | 095247406753 | 26 lbs. | 551 lbs. | 20 |
| UC3232-2 | 32" x 32" | 2" | 1230 lbs. | 095247410347 | 24 lbs. | 501 lbs. | 20 |
| UC3234-2 | 32" x 34" | 2" | 1309 lbs. | 095247077854 | 23 lbs. | 485 lbs. | 20 |
| UC3237-2 | 32" x 37" | 2" | 1428 lbs. | 095247077861 | 28 lbs. | 579 lbs. | 20 |
| UC3434-2 | 34" x 34" | 2" | 1388 lbs. | 095247077885 | 23 lbs. | 493 lbs. | 20 |
| UC3445-2 | 34" x 45" | 2" | 1825 lbs. | 095247105113 | 45 lbs. | 915 lbs. | 20 |
| UC3636-2 | 36" x 36" | 2" | 1547 lbs. | 095247410422 | 27 lbs. | 555 lbs. | 20 |

| Catalog No. | Size | Thickness | Allowable Total Load | UPC | Pad Weight | Pallet Weight | Pallet Quantity |
|-------------|-----------|-----------|----------------------|--------------|------------|---------------|-----------------|
| UC3640-2 | 36" x 40" | 2" | 1704 lbs. | 095247077915 | 29 lbs. | 608 lbs. | 20 |
| UC3648-2 | 36" x 48" | 2" | 2023 lbs. | 095247410460 | 35 lbs. | 725 lbs. | 20 |
| UC3842-2 | 38" x 42" | 2" | 1915 lbs. | 095247105168 | 30 lbs. | 625 lbs. | 20 |
| UC4040-2 | 40" x 40" | 2" | 1915 lbs. | 095247105182 | 32 lbs. | 644 lbs. | 20 |
| UC4147-2 | 41" x 47" | 2" | 2261 lbs. | 095247077946 | 39 lbs. | 805 lbs. | 20 |

| Catalog No. | Size | Thickness | Allowable Total Load | UPC | Pad Weight | Pallet Weight | Pallet Quantity |
|-------------|-----------|-----------|----------------------|--------------|------------|---------------|-----------------|
| UC1636-3 | 16" x 36" | 3" | 754 lbs. | 095247417018 | 18 lbs. | 297 lbs. | 15 |
| UC2424-3 | 24" x 24" | 3" | 595 lbs. | 095247410156 | 18 lbs. | 294 lbs. | 15 |
| UC2430-3 | 24" x 30" | 3" | 833 lbs. | 095247410170 | 21 lbs. | 339 lbs. | 15 |
| UC2436-3 | 24" x 36" | 3" | 1071 lbs. | 095247077755 | 26 lbs. | 412 lbs. | 15 |
| UC2442-3 | 24" x 42" | 3" | 1309 lbs. | 095247077762 | 28 lbs. | 441 lbs. | 15 |
| UC2448-3 | 24" x 48" | 3" | 1547 lbs. | 095247077786 | 28 lbs. | 443 lbs. | 15 |
| UC2626-3 | 26" x 26" | 3" | 754 lbs. | 095247410255 | 17 lbs. | 279 lbs. | 15 |
| UC2636-3 | 26" x 36" | 3" | 1130 lbs. | 095247093311 | 29 lbs. | 428 lbs. | 15 |
| UC2660-3 | 26" x 60" | 3" | 2102 lbs. | 095247077595 | 55 lbs. | 850 lbs. | 15 |
| UC2838-3 | 28" x 38" | 3" | 1309 lbs. | 095247077816 | 30 lbs. | 471 lbs. | 15 |
| UC3030-3 | 30" x 30" | 3" | 1071 lbs. | 095247410293 | 23 lbs. | 370 lbs. | 15 |
| UC3036-3 | 30" x 36" | 3" | 1309 lbs. | 095247003273 | 30 lbs. | 471 lbs. | 15 |
| UC3040-3 | 30" x 40" | 3" | 1478 lbs. | 095247077823 | 33 lbs. | 517 lbs. | 15 |
| UC3048-3 | 30" x 48" | 3" | 1684 lbs. | 095247077830 | 40 lbs. | 625 lbs. | 15 |
| UC3060-3 | 30" x 60" | 3" | 2145 lbs. | 095247077601 | 63 lbs. | 970 lbs. | 15 |
| UC3232-3 | 32" x 32" | 3" | 1230 lbs. | 095247410354 | 26 lbs. | 411 lbs. | 15 |
| UC3237-3 | 32" x 37" | 3" | 1428 lbs. | 095247077878 | 27 lbs. | 436 lbs. | 15 |
| UC3353-3 | 33" x 53" | 3" | 2101 lbs. | 095247077618 | 68 lbs. | 1045 lbs. | 15 |
| UC3434-3 | 34" x 34" | 3" | 1388 lbs. | 095247077892 | 27 lbs. | 427 lbs. | 15 |
| UC3445-3 | 34" x 45" | 3" | 1825 lbs. | 095247077908 | 39 lbs. | 612 lbs. | 15 |
| UC3465-3 | 34" x 65" | 3" | 2499 lbs. | 095247077625 | 71 lbs. | 1090 lbs. | 15 |
| UC3636-3 | 36" x 36" | 3" | 1547 lbs. | 095247410439 | 34 lbs. | 528 lbs. | 15 |
| UC3642-3 | 36" x 42" | 3" | 1704 lbs. | 095247077922 | 32 lbs. | 510 lbs. | 15 |
| UC3648-3 | 36" x 48" | 3" | 2023 lbs. | 095247410477 | 37 lbs. | 579 lbs. | 15 |
| UC3650-3 | 36" x 50" | 3" | 2101 lbs. | 095247077632 | 38 lbs. | 595 lbs. | 15 |
| UC3654-3 | 36" x 54" | 3" | 2317 lbs. | 095247077649 | 71 lbs. | 1096 lbs. | 15 |
| UC3660-3 | 36" x 60" | 3" | 2584 lbs. | 095247092444 | 49 lbs. | 767 lbs. | 15 |
| UC3678-3 | 36" x 78" | 3" | 3213 lbs. | 095247407422 | 99 lbs. | 1510 lbs. | 15 |
| UC3842-3 | 38" x 42" | 3" | 1825 lbs. | 095247105175 | 35 lbs. | 550 lbs. | 15 |
| UC3865-3 | 38" x 65" | 3" | 2777 lbs. | 095247407750 | 85 lbs. | 1300 lbs. | 15 |
| UC3870-3 | 38" x 70" | 3" | 2975 lbs. | 095247408597 | 113 lbs. | 1720 lbs. | 15 |
| UC4040-3 | 40" x 40" | 3" | 1785 lbs. | 095247105199 | 34 lbs. | 510 lbs. | 15 |
| UC4042-3 | 40" x 42" | 3" | 1875 lbs. | 095247077939 | 36 lbs. | 565 lbs. | 15 |
| UC4054-3 | 40" x 54" | 3" | 2420 lbs. | 095247105007 | 81 lbs. | 1240 lbs. | 15 |
| UC4347-3 | 43" x 47" | 3" | 2261 lbs. | 095247077953 | 60 lbs. | 925 lbs. | 15 |
| UC4550-3 | 45" x 50" | 3" | 2459 lbs. | 095247409921 | 81 lbs. | 1240 lbs. | 15 |
| UC4558-3 | 45" x 58" | 3" | 2777 lbs. | 095247409945 | 93 lbs. | 1420 lbs. | 15 |
| UC4848-3 | 48" x 48" | 3" | 2499 lbs. | 095247409952 | 85 lbs. | 1300 lbs. | 15 |
| UC4854-3 | 48" x 54" | 3" | 2796 lbs. | 095247409969 | 91 lbs. | 1390 lbs. | 15 |
| UC4866-3 | 48" x 66" | 3" | 3213 lbs. | 095247409983 | 108 lbs. | 1645 lbs. | 15 |
| UC5053-3 | 50" x 53" | 3" | 2825 lbs. | 095247409990 | 92 lbs. | 1405 lbs. | 15 |
| UC5056-3 | 50" x 56" | 3" | 2896 lbs. | 095247410002 | 97 lbs. | 1480 lbs. | 15 |
| UC5075-3 | 50" x 75" | 3" | 3649 lbs. | 095247410019 | 130 lbs. | 1975 lbs. | 15 |
| UC5079-3 | 50" x 79" | 3" | 4214 lbs. | 095247410026 | 145 lbs. | 2200 lbs. | 15 |
| UC5252-3 | 52" x 52" | 3" | 2875 lbs. | 095247124312 | 94 lbs. | 1435 lbs. | 15 |
| UC5260-3 | 52" x 60" | 3" | 3230 lbs. | 095247410033 | 109 lbs. | 1660 lbs. | 15 |
| UC5557-3 | 55" x 57" | 3" | 3134 lbs. | 095247409464 | 109 lbs. | 1660 lbs. | 15 |
| UC6067-3 | 60" x 67" | 3" | 3729 lbs. | 095247410088 | 134 lbs. | 2035 lbs. | 15 |

Figure 1

