

TAD Backpan Suggested Specification & Configuration

- 1. SERIES: (XXX XXXXXXXX)**
TAD Backpan - Total Air Diffuser Backpan
- 2. INLET: (XX)**
 - 8" - For 12"x48" or 24"x24" Panel Sizes
 - 10" - For 24"x48" Panel Size
 - 12" - For 24"x48" Panel Size
- 3. PANEL: (XX)x(XX)**
 - 12"x48"
 - 24"x24"
 - 24"x48"
- 4. CONSTRUCTION: (X)**
 - 1 - Steel
 - 2 - Aluminum
 - 3 - Stainless Steel
- 5. FINISH: (XX)**
 - 01 - Mill
 - 10 - Alumican
 - 35 - Black
 - 44 - British White

Backpan is required with models TAD and TADSS unless it is mounted on HEPA filter (by others). Backpan is not required with models TADHF or TADSSH. For volume regulation, use manually adjustable upstream damper.

TAD BACKPAN

Provide where indicated on the drawings, a Krueger Model TAD Backpan designed for the non-aspirating, radial displacement diffusers (TAD/TADSS). The diffuser backpan shall be optimized and sized to provide correct airflow into the diffuser and shall have a 43% free area baffle screen to ensure airflow is equalized over the entire face of the diffuser. The diffuser backpan shall have a hanger tab at all four corners to permit its attachment to the overhead structure. The backpan shall be replaceable separately from the diffuser and be available with optional foam gasket to seal between the backpan and the diffuser. The backpan shall be available in steel, stainless steel or aluminum.

PERFORMANCE

The manufacturer shall provide published performance data for the diffuser in printed or electronic format. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

STANDARD FINISH

The paint finish shall be #44 British White, powder coat paint, baked at 425°F. The paint thickness shall be 2.0 – 3.0 mils, gloss at 60° per ASTM D523-89 of 60 – 70%, pencil hardness per ASTM D3363-92A of H – 2H, crosshatch adhesion per ASTM D3359-83 of 5B, salt spray per ASTM B117-9048 of 1000 hours, humidity per ASTM D2247-92 of 1000 hours and conical mandrel per ASTM D522 of 1/8" conical bend, no cracking shows.

ANTIMICROBIAL FINISH

The paint finish shall be powder coat paint, baked at 425°F. The paint thickness shall be 2.0 – 3.0 mils, gloss at 60° per ASTM D523-89 of 55 – 65%, pencil hardness per ASTM D3363-92A of H – 2H, crosshatch adhesion per ASTM D3359-83 of 5B, salt spray per ASTM B117-9048 of 1000 hours, humidity per ASTM D2247-92 of 1000 hours and conical mandrel per ASTM D522 of 1/8" conical bend, no cracking shows.

SAMPLE CONFIGURATION: TAD BACKPAN - 12 - 24x48 - 2 - 44