

ENGINEERING SPECIFICATION & CONFIGURATION**EG5, EG10, EG15**

The return grille shall be a Krueger model EG. This grille must have a free area of at least 90% for the following core styles: 1/2"x1/2"x1/2" (EG5), 1"x1"x1" (EG10), and 1/2"x1/2"x1" (EG15). The channel frame of the grille must be constructed of extruded aluminum with a thickness of 0.04" - 0.05" and provide a means for duct and or damper attachment (or no frame for core only). This frame must produce a border of 3/8" around all sides of the grille.

PERFORMANCE

The manufacturer shall provide published (printed or electronic) performance data for the diffuser. Performance data shall include 2 - 7 octave band sound power levels. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

FINISH

The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 - 1.0 mils, gloss at 60° per ASTM D523-89 of 50 - 85%, pencil hardness per ASTM D3363-92A of HB - H, crosshatch adhesion per ASTM D3359-83 of 4B - 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.

1. SERIES: (XXXX)

EG5 - 1/2"x1/2"x1/2" core
EG10 - 1"x1"x1" core
EG15 - 1/2"x1/2"x1" core

2. WIDTH: (XX) *

4" - 48" in 1" increments

3. HEIGHT: (XX) *

4" - 48" in 1" increments

4. FRAME STYLE: (XXX)

F23 - Lay-in T-bar (core only)
FTB - Channel frame for lay-in

5. PANEL: (XX)x(XX) **

12"x12"
24"x12"
24"x24"
12"x48"
48"x24"

6. FINISH: (XX)

01 - Mill
10 - Alumican
35 - Black
44 - British White

* Choose only if frame style is FTB.

** Choose only if frame style is F23.