ENGINEERING SPECIFICATION & CONFIGURATION

EGCX

The return grille shall be Krueger model EGCX. This grille must have a sightproof core. The frame of the grille must be constructed of extruded aluminum with a thickness of 0.04" - 0.05" and countersunk screw holes. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners that are mechanically staked for rigidity.

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 applied by an anodic electrocoating process. This process shall include washing, rinsing, applying iron phosphate, sealing and rinsing again. While hanging from an anodic hook, the product will then be dipped into a high performance electrocoating dip. Then the product shall be forced air dried and baked to a peak temperature of 350°F until cured. The overall process shall result to the following film properties: a film thickness of 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)
   EGCX - 1/2"x1/2"x1" 45° angle aluminum cube core return grille with 1 1/4" flange

2. WIDTH: (XX) *
   10", 22", or 46" only

3. HEIGHT: (XX) *
   10" or 22" only

4. FRAME STYLE: (XXX)
   F22 - Surface mount

5. PANEL: (XXX)
   00 - No panel

6. FASTENING: (XXX)
   00 - No screw holes
   01 - Standard screw holes

7. DAMPER: (XX)
   00 - No damper

8. ACCESSORIES: (XX) (XX) (XX)
   00 - No accessories
   01 - Aluminum plaster frame (58PF)
   DS - Debris screen (1/4" mesh)
   IS - Insect screen (1/16" mesh)

9. FINISH: (XX)
   01 - Mill
   10 - Alumican
   35 - Black
   44 - British White

* Only available in 10"x10", 22"x10", 22"x22", or 46"x22" sizes.

GRILLES | RETURN

SAMPLE CONFIGURATIONS: EGCX - 22x22 - F22 - 00 - 01 - 00 - 00 - 44