

consuming. Here is a quick way to calculate shield size and the distance from the corner of the room that the front of the appliance will sit. The latter figure will help you to calculate floor pad size.

The following formula is used to calculate the length of the wall shields for a corner installation:

$$SL = (W + D) \times .707 + 450 \text{ mm (18")} + RC$$

Where

SL = shield length

(W + D) = width plus depth of appliance

0.707 = a constant factor

450 mm (18") = required shield extension

RC = reduced clearance

The reduced clearance is the appliance corner clearance less the percentage clearance reduction factor from Table 4 of B365 or the shield manufacturer's instructions for the particular shield materials used.

The formula below is used to calculate the distance from the corner of the room to the front of the appliance:

$$F = RC \times 1.414 + W/2 + D$$

Where

F = distance from corner to front of appliance

RC = reduced clearance

1.414 = a constant factor

W/2 = one half of stove width

D = stove depth

These formulas should help you to design and estimate costs on corner installations for your customers without spending the time to prepare a scale drawing.