



## General Characteristics of Vertical Panel Radiators.

### Steel and Production

Firefly vertical panel radiators are produced in accordance with the internationally accepted EN 442 & BS EN ISO 9001 standard. Cold rolled steel conforming to EN 1013 is used in the production surface treatment and painting processes take place in accordance with DIN 55900-1 standard. Steel thickness used in panel radiator production is:

Panel production : 1.30 plus/minus 0.09 mm  
Fin production : 0.45 plus/minus 0.05 mm  
Top and side covers : 0.75 plus/minus 0.09 mm  
Decorative panel : 0.90 plus/minus 0.09 mm

Radiator test pressure : Maximum 13 bar.  
Radiator working pressure : Maximum 10 bar.  
Maximum working temperature : 95 degrees.  
Corrosion resistant



### Surface Treatment and Painting

All radiators are applied with surface treatment before they are painted.  
The surface treatment process includes 3 stages

1. Degreasing @ 55-65 degrees C
2. Phosphating @ 55-65 degrees C & pH=-4.8-5.5
3. Three step rinsing process at various conductivity levels