

FIRE RESISTANCE  
 LIGHT REFLECTANCE  
 SPECIAL CONSIDERATIONS



**Fire Resistance**

All metal ceilings manufactured by Steel Ceilings are classified as a Class A material and have been tested in accordance with ASTM procedures.

**Light Reflectance**

Steel Ceilings products with a standard baked-on white finish have been tested in accordance with ASTM procedures and achieve a light reflectance of greater than 75.

**Special Considerations**

**Job Conditions**

The following criteria should be considered essential for a successful ceiling system installation. These criteria are taken from the Ceilings and Interior Systems Construction Association guidelines as published in their publication entitled *Acoustical Ceilings: Use and Practice*. In addition, excerpts were taken from the CISCA *Code of Practice*.

*“All windows and exterior doors shall be in place and glazed, and the roof shall be water-tight prior to the start of the ceiling installation. This condition should be maintained prior to, during and after the installation.”*

*“Acoustical materials are interior finish materials and as such are designed for installation within the*

*normal occupancy condition range of 60° F to 85° F at a maximum of 70% relative humidity.”*

*“While considering job conditions which affect the appearance of the completed ceiling installation, it is advisable to consider that the lighting selected be of the type that will complement the ceiling rather than promote an adverse or unsatisfactory appearance. The most critical factor is the direction of the light source. A critical horizontal light that strikes the ceiling surface at an acute angle accentuates normal ceiling irregularities, affecting the final appearance of the installation. Exterior lighting from high windows and window walls can result in similar problems. Frequently, a ceiling may appear unsatisfactory during installation due to low angle daytime illumination. However, when the job has been completed with draperies or blinds and lighting fixtures in operation, the ceiling will provide a commercially acceptable appearance.”*

**Ceiling Maintenance**

Steel Ceilings metal panels have a smooth baked-on finish that is easy to clean. Costly painting for maintenance is not necessary under normal conditions. The metal panels may be washed using a good detergent cleaner. Loose dirt, such as ordinary dust, should be removed with a soft brush or vacuum cleaner. If it becomes necessary to repaint the installed ceiling panels, it is recommended that a non-bridging paint be used to prevent closing the panel perforations.