

## ABOUT FIRE-RATED PRODUCTS

For occupant safety, many buildings require spaces that are able to withstand potential fire hazards.

Air distribution products used in these areas must comply with specific ratings in order to satisfy local fire codes and building safety requirements. A list of the ratings are provided below.

### UL263

North American Standard for fire protection evaluation in a steel structure, includes diffuser assembly testing, which incorporates a 3-hour rated fire damper and a 1/2" thick ceramic fiber blanket.

### NFPA 90

Standard for HVAC systems to protect life and equipment from fire, smoke, and gas. Includes fire damper ratings and installation requirements.

### Underwriters Laboratories Fire Resistance Directory

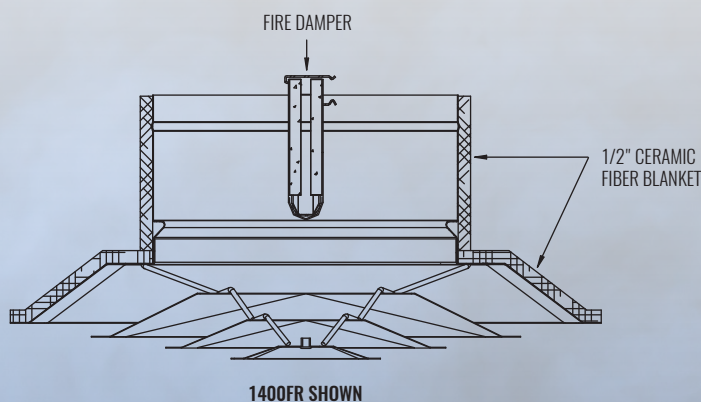
Document outlining North American UL compliant products.

Listed to the right are Krueger's fire-rated products. Each model is limited to their standard configuration, as any deviation from the standard configuration would require additional testing for fire rating compliance.

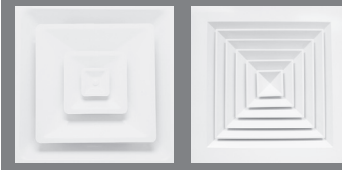
If a fire-rated product is not selected, but instead assembled in the field using a Krueger steel grille/diffuser with a fire damper and blanket from another manufacturer, it will only pass code if the local fire code allows for alterations/changes in the field. Please note that this is extremely difficult, as contractors must take great care in the assembly process.

For questions about fire-rated products or applications, reach out to Krueger's [application engineering](#) team.

## EXAMPLE PRODUCT DRAWING



## FIRE-RATED LOUVERED FACE PRODUCTS



**1400FR** - Steel Supply, 4-Cone Drop Face

**SHFR** - Steel Supply, Flush Face, Square Neck

## FIRE-RATED PERFORATED FACE PRODUCTS



**6200FR** - Steel Supply, Square Neck, Curved Blade

**6290FR** - Steel Return, Square Neck

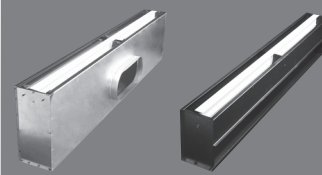
**6400FR** - Steel Supply, Square Neck, Face Mounted Deflectors

**6600FR** - Steel Supply, Round Neck, Face Mounted Deflectors

**6500FR** - Steel Supply, Round Neck, Curved Blade

**6590FR** - Steel Return, Round Neck

## FIRE-RATED PERFORATED FACE PRODUCTS



**PFTBS** - Steel Supply

**PFTBR** - Steel Return, Non-Ducted