

# Preheating Grill Hand Temperature Test

## Precautionary Safety Tips

Before performing a temperature test, please keep in mind to pull your hand away before it gets painful and you burn yourself. Additionally, please also ensure that no dangling clothing can catch on fire, when performing a hand temperature test.

## The Goal Of Preheating

Moisture can be very dangerous in a casting environment, especially aluminum, and the goal of preheating is to remove any existing moisture from the foundry tools, ingots, molds, and scrap metal, before these items have a chance to come into contact with molten metal.

## Hand Temperature Test

To test the temperature at the preheating grill, start by placing the palm of your hand over the preheating grill grate at a safe distance. Temperature should be measured approximately five inches from the preheating grill surface. When measuring from this distance, if you need to pull your hand away before two seconds has elapsed, then the preheating grill should be hot enough to preheat your casting materials and tools.