



51424 HWY 60  
Spruce Grove, AB T7Y 1C8  
780-470-0789 or toll free 1-888-470-0010  
[www.CANADIANFORGE.com](http://www.CANADIANFORGE.com)

---

## ITC 100 HT – Application Information

ITC 100 HT Ceramic Coating is a versatile high temperature ceramic coating that is proven to achieve outstanding energy savings and refractory protection. It can be used by itself or as a base coat for other ITC products. It's typically used as a covering for ceramic fiber insulation or castable refractory (Kaowool, Inswool, lightweight castable, insulating bricks, etc.).

**Coverage: Comes partially pre-mixed in a clay consistency.**

- 50 to 100 square ft per gallon.
- 6 to 12 square ft per pint.
- 3 to 6 square ft per ½ pint.

**In order to apply your ITC 100 HT ceramic coating, we recommend the following:**

- Wire brush or something to scrap any loose fragments, & debris.
- Stiff paint brush.
- Spray bottle with water, or Rigidizer.
- Rubber gloves.
- Clean rags.

### **Installation:**

1. ITC 100HT can be used as a stand-alone product if you apply it over hard refractory, brick, or ceramic fiber.
2. Remove and repair all loose and weaken brick, fiber, and hard refractory.
3. Clean off all debris, dust, and grease from interior walls, doors, crown, floor, and grooves.
4. Immediately before applying the ITC 100, dampen these areas by spraying lightly with water or Rigidizer.

5. The manufacturer recommends mixing it at a 2:1 ratio. So, if you have a full pint of ITC, mix it with half a pint of water. A half pint of ITC would be mixed with a quarter pint of water.
6. Mix it well until it thins out and then apply the coats evenly. Applying several thin coats is better than applying a single thick coat.
7. Spraying is the best method of application. However, for small applications a brush can be used. Just ensure the surface that you're applying it to is dampened and of course free of debris. Dip the brush in water first each time.
8. Allow the coating to dry.

### **Dry Time:**

- Dry ITC 100 tends to have a chalky blue/grey colour.
- After the coating has been applied, refrain from using excessive heat to dry the coating during the first 24 hours after application.
- Some set their forge in the sun, use fans to move the air, or simply leave it to dry overnight.
- The first firing should be started with a lower heat to start, for roughly around six hours.

### **Storage:**

You most likely will be left with some unused ITC. When stored at room temperature in a tightly sealed jar it should remain stable. It then can be re-mixed and used for any patching/re-coating down the line.

For more information Contact Us: (780) 470-0789 or via email at [support@canadianforge.com](mailto:support@canadianforge.com)

