

## ***Technical Information***

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### **SUGGESTED HEATING PROCEDURES FOR CORLINE AND CORPATCH**

The following schedule is suggested for Resco Products' CORLINE and CORPATCH. Controlled release of water in the castable is necessary to prevent possible build-up of steam pressure and potential steam spalling. Heating can be done before or during unit start-up.

Temperatures shown are measured at the hot face of the lining for in-place heating.

1. Corline and Corpatch require no curing period. Drying can begin immediately after installation.
2. Raise temperature at a rate of 50 °F (28 °C) per hour to 180 °F (82 °C) and hold a minimum of 3 hours.
3. Raise temperature at a rate of 50 °F (28 °C) per hour to 220 °F (104 °C).
4. Hold at 220 °F (104 °C) for a minimum of 3 hours.
5. Raise temperature at a rate of 50°F (28 °C) per hour to 620 °F (325 °C).
6. Hold at 620 °F (325 °C) for a minimum of 3 hours.
7. The structure can be cooled or raised to normal operating temperature at 100°F (56°C) per per hour.

**Notes:**

- A. A lining previously dried at 620 °F, as described above, can be brought to operating temperature using a normal heating rate of 100 °F per hour.
- B. The dryout of refractory entails more than just following a heating schedule. Issues such as burner sizing and location, exhaust location, air volume and velocity, etc. need to be addressed. Resco recommends that an experienced dryout company be consulted.
- C. If, for any reason, the heating schedule is interrupted by a loss of heat and/or power into the unit, Resco Products recommends that the heating schedule be initiated from the beginning once power and/or heat is restored. At the end user or contractor's discretion, they may elect to attempt to restart the cycle and "stabilize" the lining temperature at the point of interruption. After the lining has been stabilized, the heat up cycle may be resumed as scheduled from that point on. Resco assumes no liability for this procedure, as it is difficult to determine that point at which the entire lining is stable to prevent the possibility of a steam spall.
- D. **This schedule is recommended for situations where proper heating equipment and air circulation are used, weep holes are present and unclogged, and the ambient temperature ranges from 60° to 90° F. If all of these parameters are not met, a more conservative dry out schedule is needed. Consult your Resco Products, Inc salesman, the RESCO website ([www.rescoproducts.com](http://www.rescoproducts.com)), or call 888.283.5505.**