

Technote #44

Painting metal surfaces to increase emissivity

Even with the availability of LoE Filter models, as a general rule higher emissivities require less careful attention to set-up details and calibration, and are more "forgiving" in long term service using any IR temperature measuring device. Accordingly it is recommended that where possible, surface emissivity should be increased. If it is not possible to increase emissivity, then a LoE Filter model should be specified.

As an example, to control a metal roller temperature, paint either the end or an unused edge, and monitor with an IRt/c.

A recommended paint for most service is

RUST-OLEUM®

7778

BAR-B-Q-BLACK

Rated to 427°C (800°F)

