

# ZINCINSIGHT

Improving Performance in Zinc and Galvanizing Production

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[www.pyrotek.info/zinc](http://www.pyrotek.info/zinc)

## SPECIAL FLUX SUPPORTS “GREEN” RECYCLING TECHNOLOGY

**PYROFLUX** Pyrotek

Pyroflux MZR 280 is a flux material that has been developed and blended specifically for use in the Pyrotek Metallurgics Zinkoff Recovery (MZR) system—applied waste technology for in-house recovery of metallic zinc.



Pyroflux MZR 280 is a stable blend of ammonium chloride powder and graphite, which when used in the

Metallurgics MZR-750 or MZR-1500 recovery systems, improves the recovery of metallic zinc from zinc dross and skimmings.

The use of Pyroflux MZR 280 is particularly required when processing drosses that are produced from sources other than hot-dip galvanizing, where no residual flux is present. When used in the correct proportions, it reacts completely with the dross in the MZR drum, producing no appreciable smoke or fume.

### GREEN TECHNOLOGY

The resulting ash consists of a dry zinc oxide powder that is sold for re-use to zinc oxide consumers, making the processing of dross potentially a 100% value-added recycling operation.

Through employing the MZR zinc recovery system, the recovered zinc is returned to a manufacturing process, supporting “green technology” concepts with the re-use of recycled materials and reduced transportation logistics. At the same time, it also saves money and improves cash flow by reducing the amount of “new” zinc required to be purchased.

Another advantage of using flux is that the residual dross is left dry and easy to handle.

Pyroflux MZR 280 flux is available from Pyrotek in either 180 kg (400 lb) bulk drums or in 23 kg (50 lb) poly-lined bags on 900 kg (2000 lb) pallets.

[www.pyrotek.info/mzr](http://www.pyrotek.info/mzr)