

XRF Scientific Ltd

Refractories - Mg, Al, Si, Ca, Cr Materials

Please contact your local distributor for more information on our applications or to trial our superior Flux. XRF Scientific offers a sample preparation service free of charge to intended customers.

REFRACTORIES

Due to the nature of low fusible heavy oxides such as Zirconium oxide and alkali low fusible oxide such MgO and the presence of SiO₂, Chromium oxide, a well-balanced acido-basic flux with a lower point of fusion should be necessary. The G grades having a lower particle size helps to dissolve easier these oxides by increasing the surface of contact between the sample and the flux. In some very hard cases, the addition of lithium metaphosphate could be beneficial as the temperature of fusion is lower (660 °C). The metaphosphate has a tendency to stick in the casting dishes and we recommend heating them at a lower temperature (typ 500-600 °C) as usually done for the casting of borate fluxes.

Note: The addition of iodides, iodates (lithium) could be useful.

Flux types: XRF20, XRF35, XRF50

