

Alkali Removal Granular Flux for Aluminium Alloys “Refinal™”

Refinal™ based on MgCl₂-KCl is a cost-effective and efficient remover of alkali metals such as Na, Ca, Li and oxides from molten aluminium. It is an effective alternative preferable instead of chlorine fluxing.

Method of Use

- It is added into the liquid metal in the range of 0.2-1kg/ton depending on flux type. Homogenous distribution is provided by mixing metal.
- Melting Temperature: <480°C

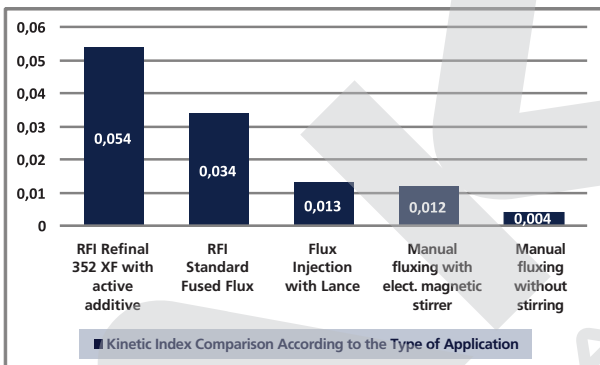
Features

- High quality production.
- Consistent performance with the low melting point.
- High efficient removal of Na in molten metal.
- Less incidence of edge cracking in alloys with high Mg content.
- Increase in the service life of the extrusion mould with its cleaning performance.
- Reduction in the tears that occur in the production of thin sheets.



Refinal™ 352XF and Refinal™ 555XF offer the following advantages as well:

- Lower consumption by 10% compared to its competitors due to fluorite contamination,
- Shorter process time thanks to the high kinetic index they have,
- Environment-friendly with low emission,
- Eventually low Na level and minimized inclusion rates.



Comparison of Refinal™ 352XF (0.054 kinetic index) with the standard flux composition (0.034 kinetic index)

Main Properties

Product Type	Refinal™ 350	Refinal™ 352XF	Refinal™ 550	Refinal™ 555XF
Description	Standard	High Efficiency	Standard	High Efficiency
Chemical Composition, %				
MgCl ₂	35-45	35-45	35-45	35-45
KCl	55-65	55-65	20-30	20-30
NaCl	-	-	25-35	25-35
F-	-	0,5-1	-	0,5-1
Application Quantity, kg/ton	0,25-1	0,2-0,8	0,25-1	0,2-0,8
Grain Size, mm	0,6-3,0			
Density, g/cm ³	2,17			
Melting Temperature, °C	<480			
Packaging	In packages of 25 kg (5 pcs. 5kg bag)			
Shelf Life	1 year. Store in a dry and well-ventilated place.			

The values given herein are typical average values obtained in accordance with standard test methods and subject to normal manufacturing variations. They are supplied as technical data and may change without notice. Contact our company to obtain detailed information.