

By Wildflower Research Labs, LLC



FLAMBAS-35 is a mild fluoride with lime, alumina, magnesia, briquetted with aluminium shredded scrap, available in the form of half cones, briquettes, or ingots that can be used by the steel & foundry industry.

KEY ADVANTAGES

- Reduces LF process time required for creamy slag generation.
- Promotes deeper penetration to the slag-metal interface due to optimal composite density
- Enables faster reactions and better inclusion absorption with pre-mixed formulation
- Reduces overall cost by \$15 / PT of steel.
- Saves time and temperature-critical in high-speed steelmaking environments.
- Enhances productivity & profit.

APPLICATION

- When desulphurization is complete at the hot metal stage, **FLAMBAS-35** allows skipping the LF step, focusing only on minor alloy adjustments.
- Addition rate:
 - 4 kg Lime
 - 1 – 1.25 kg **FLAMBAS-35** per ton
- Result: Creamy reducing slag without full LF processing.

PRODUCT COMPOSITION

- HSN Code: 7602 0010

SI. No.	PARAMETER	VALUE	SAVING	REMARKS
1	Aluminium (Shredded)	35% MIN	Aluminium	Better dispersion.
2	Reactive Alumina	20% MIN	Time for DeS	Forms low-melting CnAm in situ.
3	Alkali + Fluorides	10% MAX	Optimal Time	Flux to reduce slag melting point.
4	Lime	20% MAX	Lime	Binder.
5	Magnesia	10% MAX	Refractory	Gives MgO without affecting viscosity.
6	Fe	6% Max	Yield	Steel melts & adds to metal's weight.
7	Mn	15% Max	Recovery	Mn is alloy.
8	Size (90% Passing)	10-60 MM	Yield	Reduce slag over a larger surface area.