



PRODUCT DATA SHEET: ELECTRIC ARC FURNACE

SUPER DPX FLUX

FEATURES:

- Reduction in consumption of Lime.
- Reduction in power & electrode consumption.
- Reduction in iron loss to the slag.
- Reduction in cycle time.
- Increase in productivity without increasing capital expenses.



SPECIFICATIONS:

A proprietary Synthetic Refining Flux based on Lime and pre-fused highly basic refining slag. The product corresponds to the following specification:

CaO	40 – 60%
FeO	10 – 15%
SiO ₂	03 – 05%
LOI	10 – 15%
Balance	Proprietary R ₂ O ₃

Form : Powder
Color : Nearly White
Packing : Bulk Packing (HDPE Bags)

APPLICATIONS : Super DPX Refining Flux can be used in Electric Arc Furnace steel making for the following applications:

1. FOR COMMERCIAL GRADE CARBON STEELS

The addition of SUPER DPX Synthetic Refining Flux along with charge can replace lime to the Bare Minimum without affecting the metallurgical characteristics of Melt down "OXIDISING SLAG" In this application One Kgs of SUPER DPX can result in replacement of 5Kgs of Lime.

2. FOR GETTING EXTRA LOW PHOS (.015%P) IN ALLOY STEELS.

The addition of SUPER DPX 2-3 Kgs/T of charge with Normal Lime Additions can consistently give melt down **Phosphorous below 0.010%** thus very low levels of **Finished Phosphorous** can be achieved without additional use of LIME.

3. USE SCRAP HIGH IN PHOSPHORUS

With SUPER DPX it is possible to melt any high phosphorus cheaper scrap like cast iron and/or pig iron still get the desired melt down phosphorous to the required level in the finished steel.

In all applications as above there is reduction in DIRECT COST of steel making from Rs 50-100/Mt of steel produced.

www.sms.co.in