

Environmental Standards

Emission

GLASS INDUSTRY : EMISSION STANDARDS

A. Sodalime & borosilicate glass and other special glass (other than Lead glass)

Section of the Plant	Parameter	Emission limit
a) Furnace Capacity		
Upto a product draw capacity of 60 tpd	Particulate matter	2.0 kg/hr
Product draw capacity more than 60	Particulate matter tpd	0.8 kg/tonne of product drawn
All capacities	Sulphur dioxide	minimum stack height (H in mt) = $14Q^{0.3}$ where Q is SO ₂ emission rate in kg/hour.
	Total fluorides NO _x	5.0 mg/Nm ³ use of low NO _x burners in new plants

b) Implementation of the following measures for fugitive emission control from other sections

- i. Raw materials should be transported in leak proof containers.
- ii. Cullet preparation should be dust free using water spraying.
- iii. Batch preparation section should be covered.

B. Lead Glass

a) Furnace

All capacities	Total particulate matter	50 mg/Nm ³
	Lead	20 mg/Nm ³

(dust emission from furnace feeding "dog house" should be connected to control equipments and meet above standards)

b) Implementation of the following measures for the fugitive emission control from other sections

(i) Batch mixing, proportioning section and transfer points should be covered and it should be connected control equipments to meet following standards:

Particulate	matter	50 mg/Nm ³
Lead		20 mg/Nm ³

C. Pot Furnace of Firozabad

Parameter	Standards
Particulate matter	1200 mg/Nm ³

Note: Depending upon local environmental conditions, the State/Central Pollution Control Board can prescribe more stringent standards than those prescribed above..