

ASHAION[®] 55

FIRESIDE ADDITIVE

**BOILER
TREATMENT
CHEMICALS
AND SERVICES**

PRODUCT DESCRIPTION

ASHAION - 55 is designed for the Fireside cleaning of combustion deposits in boilers or any thermic fluid installations. During operations, soothing clinker and other combustion deposits are a common problem with such units. These deposits adhere to the heat transfer surfaces due to their adhesive property resulting in reduced heat transfer efficiency. As a result, peak efficiency is sacrificed and the boiler or heater generates higher stack temperature. This necessitates periodic manual cleaning which in most cases is not perfect, is time consuming and does not reach every part of the boiler or heater.

ASHAION - 55 is an excellent fireside chemical cleaning agent. It contains dispersants, corrosion inhibitors, oxidising agents and combustion catalysts.

APPLICATION

ASHAION - 55 are a free flowing powders and is fed directly into the furnace during boiler operation without any shut down. Due to the high temperature encountered in the furnace the chemicals vapourise. The vapours, on coming in contact with the relatively cooler areas of the furnace, deposit as a thin film. The adhering unburnt carbon burns off at reduces temperatures as the combustion catalyst reduces the ignition temperature of the adhering carbon deposits. The oxidising agents present provide the required combustion oxygen. Once the adhering deposits are burnt the bare metal of the heat transfer surfaces is exposed. The corrosion inhibitor presents in ASHAION - 55 then forms a thin film of corrosion inhibitors on the metal surface, thereby preventing corrosion of the metal by acids produced during combustion. Once corrosion is prevented, fouling by metal oxide is eliminated and thereby scale and deposit formation is done away with.

FEEDING

ASHAION - 55 is directly added to the furnace while the boiler or heater is in operation.

01. For oil fired boiler/heaters (coil type):

Switch off the burner. Remove the oil needle valve or burner gun. Add the required amount of ASHAION - 55 directly into the furnace. Start the burner again. This operation requires the burner to be shut off for about 10 minutes. In case of multiple furnaces or flues ensure that ASHAION - 55 is evenly distributed in all the furnaces/ flues.

02. For coal fired boilers/heaters :

Manual fired – When the embers are glowing feed ASHAION - 55 evenly in to the furnace. Shut the furnace doors. Do not add coal for about 10 minutes. Boiler/Heater may be fired normally after that.

Stoker fired ASHAION - 55 into the furnace at one third the distance from the coal feeding end. The stoker may be operated normally.

ADVANTAGES

The many advantages of using ASHAION - 55 are :

1. Efficiency is continuously maintained during combustion unlike traditional cleaning methods where efficiency drops and stack temperatures increases between shut downs.
2. Ensures complete removal of fireside deposits even from area inaccessible to traditional cleaning methods.
3. Improves heat transfer due to deposit free surfaces.
4. Increases efficiency by 2 to 5 %.
5. Reduces time and manpower requirement for boiler cleaning.
6. Reduces down time.
7. Ensure longer life of the heat exchangers.

8. Increases boiler availability.
9. Is non-toxic, easy and safe to handle

DOSAGE

Exact dosage depends on large number of factors under which boilers operate. Our specialist shall recommend the exact dosage.

ASHAION - 55 is available in plastic bottles in ready to add quantities. The quantities indicative to be added are :

	Oil Fired	Coal Fired
Boiler Capacity	1000 Kg/hr.	1000 Kg/hr.
Kg to be added		
1 st dose	8.5	7.5
2 nd dose (after 3 days)	4.5	4.0
3 rd dose (once in 15 days)	2.5	2.0

HANDLING

ASHAION - 55 should be stored in dry area and away from sunlight. Care should be taken to avoid contact with skin and eyes. In case of contact, flush the affected areas with plenty of water. For open handling, goggles and rubber gloves should be worn. In case of ingestion get prompt medical attention.

PACKING

ASHAION - 55 is available in 25 Kg. HDEP bottle.

ASHA RESINS PVT. LTD.

**Regd. Office : 1232, Bhavani Peth, Palkhi Chowk, Pune - 411 042.
0
Telefax : 91 20 26382401. E-Mail:info@asharesins.com
Website : www.asharesins.com**