



SOOT REMOVER POWDER

DESCRIPTION:

Soot Remover Powder is a dry powder compound formulated for safe removal of soot and deposits from boilers and diesel engine exhaust systems.

FEATURES

- Reduces soot and slag deposits
- Reduces cold-end corrosion
- Assists soot blowing

BENEFITS:

- Saves you money by improving heat transfer
- Saves you money by increasing boiler efficiency

If deposits are allowed to form on heat exchangers, the loss of efficiency can be directly related to extra fuel consumption. A 1 mm deposit is approximately equivalent to a 10% efficiency loss, a 3 mm deposit can reduce efficiency by up to 50%. The normal ignition temperature of soot is around 600°C. This means that it is burned only in the hottest parts of the boiler or diesel exhaust systems.

Due to the catalytic action of Unitor FuelPower Soot Remover, the ignition temperature of the soot/deposit is reduced to less than 280°C. The carbon deposits are thus ignited, leaving an easily removed ash.

The use of Soot Remover Powder not only provides greater fuel efficiency, but also prevents acid formation in areas where severe corrosion could result in expensive damage, i.e. heat exchangers, superheaters, economisers, exhaust paths/stacks.

Ordering information

Product name

SOOT REMOVER POWDER 25 KG

Accessories

Product name

FIXED INJECTOR
PORTABLE SOOT
INJECTOR

Code: 161164414

SOOT REMOVER POWDER

Removes soot/carbon
deposits on fire side.

PRODUCT CHARACTERISTICS

Colour: Blue Green

Density:

Solubility in water: 100%

Flash Point: Not applicable

Not Compatible If moist, may
attack mild steel, iron and
aluminium



This information is not to be taken as a warranty or representation for which we assume legal responsibility, nor as permission, inducement or recommendation to practice any patented invention without a licence. The information is offered solely for your consideration, investigation and verification.



Directions for use

Dosage and control

Soot Remover Powder should be introduced to the boiler through a suitable port, preferably with a blower, ensuring that the powder is spread through the flame path towards the back of the combustion chamber. For Diesel engines, inject FuelPower Soot Remover directly into the exhaust system upstream of the area to be treated. FuelPower Soot Remover is preferably dosed using Unimarine's Fixed Injector, and/or Portable Injector.

Steam Raised (tons/hr)	Boiler fuel (tons/day)	Dose rate (kg/day)
Boiler		
3	5.5	1.0
6	11	2.0
9	16	3.0
12	21	3.5
15	27	4.0
23	41	4.5
31	55	5.0
46	82	5.5
62	110	6.5
Fuel Consumption (Tons/Day)	Dose Rate (Kg/Day)	
Diesel Engines		
10	1.5	
20	3.0	
30	3.5	
40	4.0	
50	4.5	

Documentation

- SOOT REMOVER POWDER 25 KG