



盛和耐材
SHENGHE REFRACTORIES

DURA-N100

DURABLE. BEYOND.

BECAUSE IT IS.

Its unparalleled performance and durability has giving the refractory lining an optimal safety and less consumption of material for the next patching.



Designed and Engineering to take on extreme metallurgy conditions

High Refractoriness
1500°C to 1780°C

Short Sintering Time
1-1.5 Hours

Up to 6 times patching

High Safety

Clean Steel

Higher Metal Output

Product details = Al₂O₃: >82%, MgO: 8.5 - 12.5%, Fe₂O₃: <0.5%, CaO: <0.5%, SiO₂: 0.5%, Cr₂O₃: 0.5-2.5%, Density: 2.70g/cm³, Refractoriness: 1650-1750°C



REFRACTORY LIFE REIMAGINE

PIONEERING IN INDUCTION FURNACE REFRACTORY MATERIAL

Meet the most Durable Refractory Lining ever.

DURA-N100 is designed and engineered to provide ultra durable refractory life for coreless induction furnace.



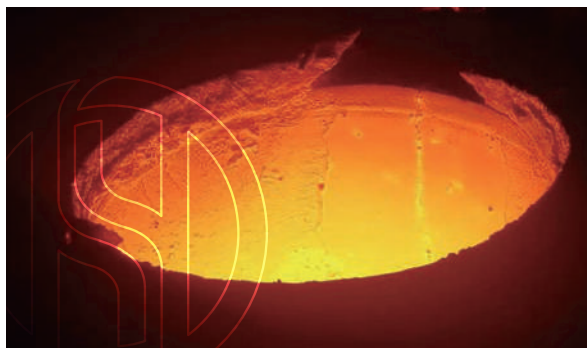
HIGH SAFETY

DURA-N100 also recognized and awarded by the steel plant end user as High Safety & Reliability, Ultra Durable Lining material.



ULTRA DURABLE

Due to its durability and stability, refractory lining life has been extended and Consumption refractory per MT has been greatly reduced.



COMPLETE REFRACTORY SOLUTION FOR CORELESS INDUCTION FURNACE:

Shenghe provides complete refractory solutions for coreless induction furnace.

Topping Material, Neutral Ramming Mass, Coil Grout, Patching Material, Mica Slip Plane, Pneumatic Wall Vibrator Machines, Bottom Vibrator



INDUCTION FURNACE
DURA-N100

**NEUTRAL
RAMMING
MASS**

PROLONGED
REFRACTORY LIFE
UP TO 1800°C
REFRACTORYNESS
TEMPERATURE

HIGH
PURITY SYSTEM

HIGH
CORROSION RESISTANCE



SHENGHE REFRACTORIES
20221001

MADE IN CHINA
SH-REFRATORIES.COM

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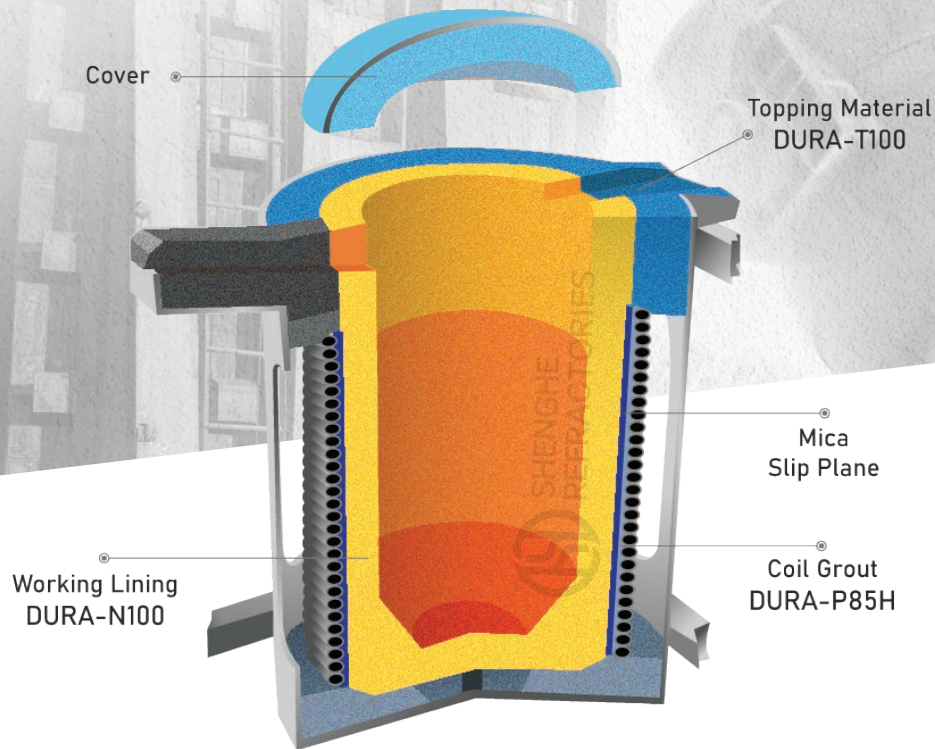


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COMPREHENSIVE SOLUTION FOR CORELESS INDUCTION FURNACE



Topping Material and Spout



DURA-T100 is phosphate-bonded high alumina refractory plastic with addition of chromium oxide. It is a best compatible with Neutral Ramming Mass, DURA-N100.

It is excellent resistance to erosion and abrasion.

Al₂O₃: >83%, MgO: 9.5-12.5%, Cr₂O₃: >1-3%
Density: 2.80g/cm³, Refractoriness: 1700C

Coil Grout



DURA-P85H is high purity coil grout mix. It is an amorphous refractory material mainly made of corundum, spinel particles & fine powder, & special binder and plasticizer. DURA-P85H is high strength, high density and act as insulation between coils. It is a corundum cement specially designed to protect coreless induction furnace coils.

Al₂O₃: >85%, Density: 2.36g/cm³,
Grain Size: 0-1.5mm, Color: Red

Patching Material



DURA-FIX is phosphate-bonded high alumina refractory plastic with excellent resistance to erosion and abrasion. DURA-FIX with addition of chromium oxide, which excels in extreme environments.

Al₂O₃: >90%, SiO₂: <3.0%, Cr₂O₃: >5%,
P₂O₅: 2.5%, Density: 2.80g/cm³, Color: Green

Technical Service



ShengHe Refractories provides complete installation guidelines and heating procedures of neutral refractory, topping material and coil grout.

An experienced technical team is ready available to deal with any request which clients may have.

Electric Vibrator



For Bottom Ramming



For Bottom Ramming



For Side Wall
10mt - 30mt Furnace



For Side Wall
30mt - 90mt Furnace



For Side Wall
40mt - 90mt Furnace



Padder Mixer



TAPPING TEMPERATURE
1550C - 1780C

SINTERING METHOD
PREHEAT, LIQUID SINTERING
ONLY LIQUID SINTERING

SHORT SINTERING TIME
1.5 - 2 HOURS

PERFORMANCE
1+ 6 PATCHING

APPLICATION
CARBON STEEL
STAINLESS STEEL
SPECIAL STEEL

EROSION SPEED
0.7mm per heat for stainless steel
1.0mm per heat for special steel
1.5mm per heat for carbon steel



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