

 TRL KROSAKI REFRACTORIES LIMITED (Formerly Tata Refractories Limited) Product Definition Sheet				TRL SW HSR1
Revision No.: 0			Date: 30.06.2017	
Product Name:	TRL SW HSR1			
Product Description:	Semi Re-Bonded Mag-Chrome Brick based on high purity Magnesia, Fused Mag-Chrome grain, magnesia chrome co-clinker and Chrome Ore.			
Application:	Different furnaces in Non-ferrous industries			
CONTROL PROPERTIES:				
Chemical Analysis (Calcined Basis)	Unit by wt	Value		Test Method
		Typical	Limit	
MgO	%	54.8	≥ 53.0	By XRF
Cr ₂ O ₃	%	23.7	≥ 22.0	
SiO ₂	%	0.8	≤ 1.0	
Fe ₂ O ₃	%	8.7	-	
Al ₂ O ₃	%	6.7	-	
CaO	%	1.0	-	
Physical Properties	Unit			
Bulk Density	gm/cc	3.32	≥ 3.25	ISO 5017: 1998
App. porosity	Vol. %	12.4	≤ 17.0	ISO 5017: 1998
CCS	kg/cm ²	685	≥ 600	ISO 10059-2:2003
RUL (t _a) at 2 kg/cm ²	°C	1740	-	IS 1528- Part 2
SUPPLEMENTARY PROPERTIES (FOR INFORMATION ONLY):				
Property	Unit	Typical	Limit	Test Method
PLC at 1500°C/2hrs	%	+ 0.31	-	ISO 2478:1987
Thermal Expansion at 1000°C	%	+ 1.18	-	IS 1528 (Part 19): 1991
Control Dimensions:	AQL 6.5% for critical dimensions (ISO 5022)			
Shelf Life	12 months from the date of manufacture when stored under shed and free from moisture			
Technology Manager				Signature:
Contact Address	TRL Krosaki Refractories Limited P.O.- Belpahar, Dist.- Jharsuguda, Odisha, Pin- 768 218, INDIA Phone: 91-6645-250286 Information department: Technology Division			

Note:1) The typical technical data shown are based on average results on production samples and are subjected to normal variation on individual tests. Hence, it cannot be taken as specification.

2) The above specification is valid for solid pressed standard items only. For shaped items and weight more than 20Kg may have a variation of 10%.

Disposal Consideration:

May be disposed in an approved landfill unless contaminated in service. If contaminated with hazardous materials, place waste in suitable container. Seal and properly label the waste container. Send the container to an approved Transportation, Storage and Disposal (TDS) facility via an approved waste hauler. Be sure manifests have been completed and an adequate "Paper trial" has been established