

DRI-FIRE is an exothermic dry vibratable refractory product intended for installation between the shell and form in ladle applications. A torch is used to ignite the product, activating its heat set bond. After sintering for a short time, the ladle is ready for service.

DRI-FIRE is suitable for ladles used in all grades of ferrous and non-ferrous metals to a maximum ladle size of 4 MT. For aluminum ladles, the maximum ladle size is 2 MT.

The product is installed by hand tamping or internal vibration, and does not require water or a mixer.

Product	Al ₂ O ₃	SiO ₂	Material Required		Ladle Application	Industrial Applications
	%	%	g/cm ³	(lb./ft ³)		
DRI-FIRE 50	50.8	42.8	2.02	126	Iron	Ferrous and non-ferrous metal processing industries.
DRI-FIRE 65	69.7	24.3	2.02	126	Steel	
DRI-FIRE 750*	47.9	46.3	2.00	126	Iron	
DRI-FIRE 51 AL	51.2	41.7	2.01	126	Aluminum	

*Available in India only

DRI-FIRE Process



Line the ladle shell with Ceramic Paper or corrugated cardboard.



Cover form with Ceramic Paper or corrugated cardboard.



Install ladle lining bottom in layers, using tamping and forking tools.



Install ladle form.



Install sidewall DRI-FIRE lining in layers using tamping and forking tools.



Apply heat to the ladle bottom using a torch, wood, fuel, or other heat source.



Remove ladle form once flames have subsided, and are no longer visible.



Ladle is now ready for use. A ladle wash may be applied.