URC UNITED REFRACTORIES CO. 🔅 DELIVERS

50 YEARS OF PERFORMANCE DESIGNED SOLUTIONS

Force

(1 hs)

UNI-2TUFF RF-70

Product Features:

UNI-2TUFF RF-70 is an advanced high steel fiber castable designed to resist mechanical abuse and thermal shock.

- Superior Oxid. Resistance to 2400°F
- Proprietary Fiber Shape/Aspect Ratio
- Mix Chassis Maximizes Fiber Knitting
- Superior Resistance to Crack
 Propagation and Mechanical Abuse

Comparison Data:

Compared to its closest competition, UNI-2TUFF RF-70* also shows superior properties in standard ASTM tests.

*Also available in Aluminum resistant formulation.

North-East Major Secondary

Aluminum Producer

- UNI-2TUFF RF-70 cast in a melting furnace

lintel in comparison to closest competitor

"The **2TUFF** is outperforming your

competition, and we're looking for other opportunities to use it"

50 YEARS

SERVIC

Cast House Engineer

Bending Movement (Inches)		7726-012-040
CRITICAL WEAR MECHANISMS		UNI-2TUFF RF-70
Installation Method	Vibcast	Vibcast
Hot MOR at 1500°F	2462 psi	3702 psi
Hot MOR at 2000°F	2094 psi	3255 psi
C-704 Abrasion Loss After 1500°F	6.0cc loss (TDS)/4.0cc loss	3.1cc loss
C-704 Abrasion Loss After 2000°F	3.5cc loss (TDS)/3.7cc loss	3.3cc loss
Din 51068 Wate	r Quench Prism Spall Cycles to Failure:	<u>.</u>
2000°F Water Quench	>30 cycles	>30 cycles
2200°F Water Quench	19 cycles	>30 cycles

WOF @ 2000°F

30% Tougher

UNI-2TUFF RF-70

CLOSEST COMPETITOR

Unique Testing:

Special testing is required to accurately

measure the benefits of UNI-2TUFF RF-70.

Work of Fracture (WOF) analysis

conducted at 2000°F quantifies the

amount of work required to fracture,

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propagate and separate a sample

Scan for more

Field Results:

Southern Major Secondary Aluminum Producer

- UNI-2TUFF RF-70 cast side-by-side with closest competitor in holder lintel
- After 3 months, the competition's lintel developed a crack, while the
 2TUFF exhibited no cracking

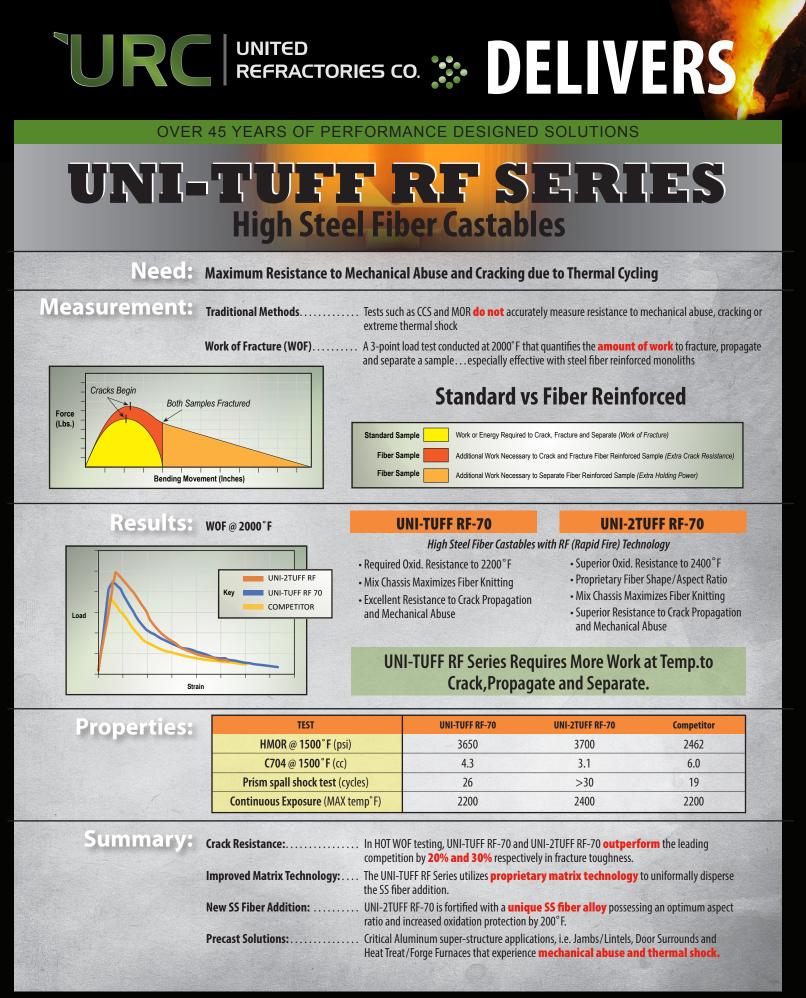
Eastern Major Secondary Aluminum Producer

 UNI-2TUFF RF-70 was cast in a sill, with a goal of 6 months life (typical service)

After 10 months the **2TUFF** is intact and in service

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