



UNITED
REFRACTORIES CO.



DELIVERS

OVER 40 YEARS OF PERFORMANCE DESIGNED SOLUTIONS

UNI-SHOT RF CF Shotcrete

CEMENT FREE TECHNOLOGY • GEL BONDING SYSTEM • NO COLLOIDAL SILICA REQUIRED



PROPERTY	COLLOIDAL SiO ₂	URC RF CF SHOTCRETE	NOTES
Strength	✓	✓	At preheater operating temperatures, hot strengths of both products are = / better than low cement
Water Release	✓	✓	Both products offer faster water release, no air curing and faster heat ups compared to low cements
Ease of Installation	✗	✓	The URC RF CF products mix with water, require no Colloidal SiO ₂ and are better for winter shutdowns
Overhead Installation	✗	✓	The URC RF CF products are easily shot and placed overhead in warm and cold projects
Veneering	✗	✓	Tests show that URC RF CF products achieve a stronger bond with the substrate than Colloidal SiO ₂
Cost Effectiveness	✗	✓	The URC RF CF products are 10-20% less than the corresponding Colloidal SiO ₂ product – not including possible disposal costs

URC Products

UNI-SHOT RF-AZ-SC CF
UNI-SHOT RF-80 CF
UNI-SHOT RF-60Z CF
UNI-SHOT RF-60 CF
UNI-SHOT RF-50 CF

URC|4U
SERVICE

TOP: The UNI-SHOT RF-60 CF was easily shot overhead at a recent workshop demo.

BOTTOM: Immediately after placement, the UNI-SHOT RF-60 CF panel was solid and hard to the touch.

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