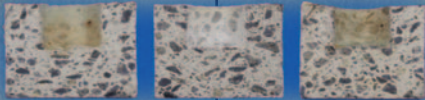
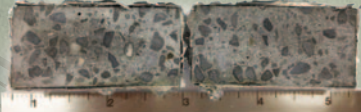
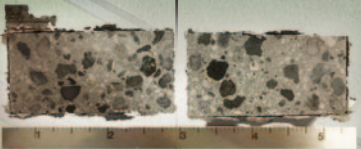





STANDARDS OF PERFORMANCE

PRODUCT	DESCRIPTION	TYPICAL USES
UNI-PUMP 55 ALK R <i>(Excellent rating in alkali cup tests from 1652 F. through 2012 F.)</i>	57% Al ₂ O ₃ , low cement with optimum combination of hot strengths and alkali resistance. 	Non-metal contact areas such as upper sidewalls, roofs, stacks.
UNI-PUMP 65 A	60% Al ₂ O ₃ , low cement with unique AL additive package.	All metal contact areas including hearths, sidewalls, hotwalls, bellybands, ramps and sills.
UNI-PUMP 70 A	70% Al ₂ O ₃ , low cement with unique AL additive package.	

SEVERE SERVICE

PRODUCT	DESCRIPTION	TYPICAL USES
UNI-SHIELD 70 A <i>(#1 rating-4 Day Alcan Immersion Test at 1562 F.- 5% Mg)</i>	70% Al ₂ O ₃ , low cement with unique AL additive package and SiC & zircon fortified matrix. 	All metal contact areas where superior performance is required to address multiple wear mechanisms including: abrasion, mechanical abuse, thermal shock, alkali attack, high temperatures & corundum.
UNI-PUMP LC-80 HS A	80% Al ₂ O ₃ , low cement with unique AL additive package.	
UNI-PUMP 85 AL <i>(#1 rating-4 Day Alcan Immersion Test at 1562 F.- 5% Mg)</i>	84% Al ₂ O ₃ , low cement with unique AL additive package. 	

SPECIAL PRODUCTS

PRODUCT	DESCRIPTION	TYPICAL USES
UNI-PUMP LC-60 SC A	60% SiC, low cement with unique AL additive package.	Excellent hot strengths & abrasion resistance with good thermal shock and alkali resistance for high wear areas such as ramps, sills, troughs and metal transfer.
UNI-CAST SCZA	60% SiC, low cement with zircon & a unique AL additive package.	Very good hot strengths, abrasion & alkali resistance along with excellent thermal shock properties for high wear areas such as precast troughs, launders & metal transfer.
UNI-PUMP AD-6 A	60% Al ₂ O ₃ , andalusite-containing low cement with unique AL additive package.	 Excellent thermal shock resistance in the 60% Al ₂ O ₃ classification.
UNI-CAST FS-6 A	67% SiO ₂ , fused silica, low cement with unique AL additive package.	
UNI-CAST FS-81 A	83% SiO ₂ , fused silica, low cement with unique AL additive package.	

PLASTIC OPTIONS

PRODUCT	DESCRIPTION	TYPICAL USES
UNI-RAM BLU J-A	65% Al ₂ O ₃ , mullite based, phos-bonded plastic with aluminum resistant additives.	Excellent choices for ramming and repairs of various metal contact areas, including tapholes, hearth perimeters, walls & burner areas.
UNI-RAM 85 ESSA	78% Al ₂ O ₃ , bauxite based, phos-bonded plastic with aluminum resistant additives.	
UNI-RAM 85 P A	83% Al ₂ O ₃ , bauxite based, phos-bonded plastic with aluminum resistant additives	

