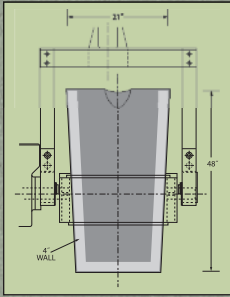






40 YEARS OF PERFORMANCE DESIGNED SOLUTIONS

URC Foundry Ladle Programs

Based on the individual needs and goals of each foundry, URC has a ladle program to DELIVER VALUE and CUT COSTS.

PRECAST INSERTS	CAST OUTSIDE THE PLANT	CAST IN THE PLANT
 <p>Typical precast insert for pouring ladle.</p>	 <p>Pouring ladle lined outside by contractors.</p>	 <p>Transfer ladle lined by workers in the plant.</p>

UNITED APPROACH ❖

- Based on an analysis of the melting practice, a product is selected and a shape is designed to fit the ladle.
- In many shops, the precast inserts can save labor and downtime.
- The precast insert can be made by URC or one of its authorized distributors with a variety of compositions.

- Customer practice involved sending ladles out to be lined with a 70% Al₂O₃ mix by a contractor.
- Customer selected a 70% product based on price and misleading data sheet properties.
- After disappointing campaigns, customer switched to UNI-CAST LC-70C due to its increased purity and volume stability.

- A large foundry cast their transfer ladles with a well-known competitive Al₂O₃/SiC product.
- With campaigns lasting 20-22 days, the customer trialed UNI-CAST 400, an enhanced Al₂O₃/SiC corrosion resistant castable.
- Like many URC castables, UNI-CAST 400 is available in pump and shotcrete compositions.

UNITED PRODUCT ❖

UNI-CAST ML-69C

UNI-CAST LC-70C

UNI-CAST 400

DELIVERED ❖ VALUE

- One recent precast insert saves the customer 40 labor hours and 7 days of downtime annually.

- The competitive 70% lining had a premature washed out bottom... the UNI-CAST LC-70C is currently meeting plant expectations.

- By using UNI-CAST 400, the campaigns increased to 30 days and more with no unscheduled downtime.

URC Foundry Ladle Products

HIGH STRENGTH/LOW CEMENT

PRIMARY USE

■ UNI-CAST LC-60	60% Al ₂ O ₃	Mullite based low cement	} Iron
■ UNI-CAST LC-70	70% Al ₂ O ₃	Mullite based low cement	
■ UNI-CAST MLX-81	80% Al ₂ O ₃	Mullite/bauxite low cement	} Steel
■ UNI-CAST LC-85	85% Al ₂ O ₃	Bauxite based low cement	

ENHANCED/LOW CEMENT COARSE GRAIN

■ UNI-CAST ML-69C	65% Al ₂ O ₃	With slag resistance, volume stability
■ UNI-CAST MLX-70	70% Al ₂ O ₃	With slag resistance, shock resistance
■ UNI-CAST LC-70C	70% Al ₂ O ₃	With resistance to slag, abrasion and shock

Al₂O₃/SiC LOW CEMENT

■ UNI-CAST 400	Exceptional resistance to slag, shock and abuse
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