

Technical Data Sheet CCS CrackAttack® CORE

Revision Date: 03/12/2026

Product Description:

- A superior High Temp Core Repair Cement for use core manufacturing for investment casting.
- This single refractory paste has a composition that is ideally suited to most core chemistries used in the investment casting industry. It comes as an engineered liquid ceramic system that demonstrates shelf stability and optimal spreading behavior.

Typical Applications:

- Repairing core cracks
- Gluing core segments together

Advantages:

- Workable no-settling paste.
- High strength repair bonding
- Extremely high temperature stability
- Does not need high temperature cure
- Resists any degradation from steam autoclave.
- No traces of elements detrimental to DS/SC aerospace castings

Directions For use:

- Prepare surfaces to be mended:
 - Clean all dust and debris from affected surfaces.
 - Prewet the surfaces with deionized water
- Mix vigorously and thoroughly to ensure uniformity of paste.
- Apply with a soft bristle brush and work fine particles into the crack.
- Can be diluted with DIW (no more than 10% add) for thin or superficial cracks
- Use full strength for gluing core segments together

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Testing Results:

- Test results for typical aerospace trace elements are reflected on the trace element tables presented here.

Trace Element Analysis	
CCS CrackAttack® NOSIL	
Element	Typical
Lead (Pb)	<25
Bismuth (Bi)	<1
Silver (Ag)	<10
Antimony (Sb)	<5
Zinc (Zn)	<50
Tin (Sn)	<25
Iron (Fe)	<500
Arsenic (As)	<1
Selenium (Se)	<1