



# GRAFTech

*International*

## HotPressed™ Refractory Systems

### C38™ CEMENT

**Description:** This product is a two part carbonaceous heat setting cement and was developed specifically as a bonding agent for use between large carbon or graphite refractory shapes. C38™ is a cement with improved resistance to low temperature oxidation and is recommended for prolonged joint integrity at temperatures up to 760°C (1400°F). It thermally cures to form a strong carbonaceous bond between the cemented shapes. This cement requires two ingredients for its preparation – a powder and a liquid. Detailed instructions and precautions for using C38™ Cement are available from GrafTech's representatives or by contacting the address below.

ESSENTIAL PROPERTIES	Typical Average	Comparable ASTM Test Procedure
Bulk Density (gm/cc) (Solid)	1.60	ASTM C559
INFORMATIONAL PROPERTIES	Typical Average	Comparable ASTM Test Procedure
850°C Joint Strength (kPa) (Measured on Graphite at 20°C)	10300	
Thermal Conductivity (W/m <sup>2</sup> K) (at 20°C)	5	ASTM C714



**GRAFTech**  
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**TECHNICAL INFORMATION**  
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