



SELEE® FILTER BOWLS

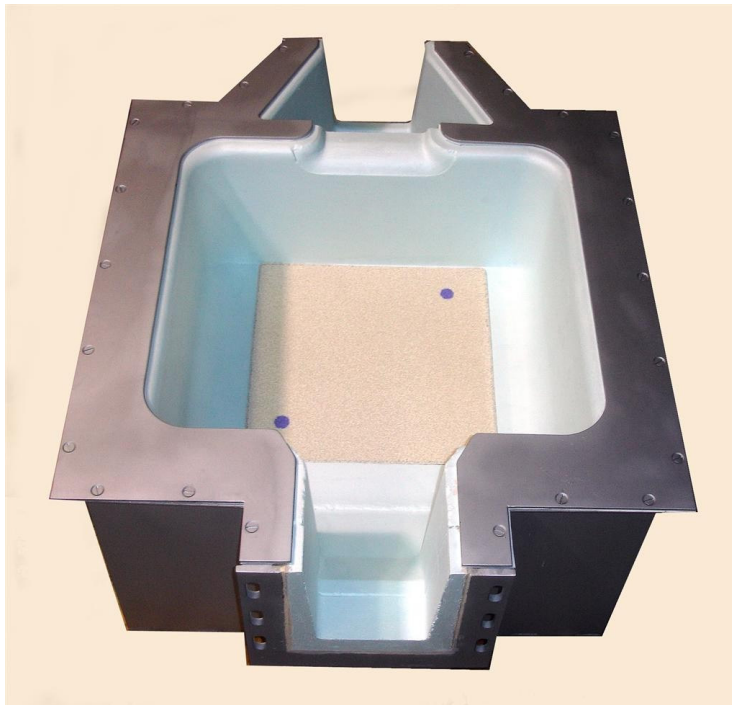
Product Description

SELEE® pre-cast advanced ceramics offer improved service life for filter bowls and trough systems. SELEE® pre-cast shapes are engineered to reduce labor costs to clean and install and improve cast metal quality.

SELEE utilizes an innovative fused silica material with outstanding properties and has over 30 years of technical experience to help you select and optimize your refractory design. SELEE® precast refractory products give you outstanding service life, ease of use, and excellent cast metal quality. No wonder the leading producers of cast aluminum rely on SELEE for their precast shapes

Features and Benefits

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|-------------------------------------|--|
| Excellent thermal shock resistance: | Improved resistance to cracking; longer life |
| Fine surface finish: | Easy to clean |
| Non-wetting: | Longer life, easy to clean |
| Corrosion resistance: | Improved metal quality and reliability |
| Excellent insulation:: | Minimal temperature loss |



Typical Properties

<u>Property</u>	<u>English</u>	<u>Metric</u>
Bulk Density	128 lb/ft ³	2.05 g/cm ³
Maximum Pre-heat Temperature	1472°F	800°C
Modulus of Rupture	620 psi	4.3 Mpa
Cold Crushing Strength	4800 psi	33 MPa
Apparent Porosity	12%	12%
Thermal Expansion	0.5 x 10 ⁻⁶ /°F	0.9 x 10 ⁻⁶ /°C
Thermal Conductivity @ 1000°F (538°C)	7.42 BTU-in/hr/ft ² /°F	1.07 W/mK
Thermal Conductivity @ 1500°F (816°C)	7.9 BTU-in/in/ft ² /°F	1.14 W/mK

Chemical Analysis*

SiO₂ 73.4%
Al₂O₃ 22.7%
CaO 3.7%

*Proprietary ingredients not included in chemistry.

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