

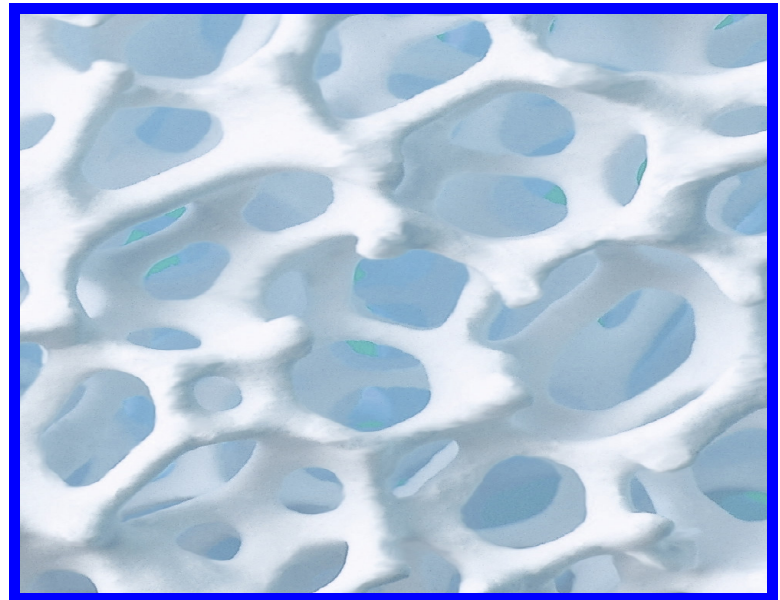
Silcor® TBCS



Thermal Barrier/Catalyst Support

A Catalyst Gauze Protection System From SELEE Corporation (ISO 9001 certified)

- **Improves HCN yields and selectivity**
- **Improves ammonia conversion**
- **Extends catalyst life**
- **Reduces methane usage**
- **Decreases unit emissions**
- **Improves flow and temperature uniformity**
- **Convolutd surfaces increases catalysis area**



SELEE Corporation offers Silcor®, the latest innovation in catalyst gauze support and shielding technology. The unique “tortuous path” structure of Silcor® provides many features and benefits simply not possible with straight channel substitutes.

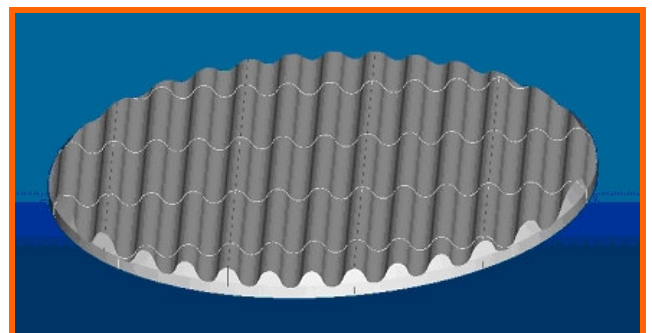
Due to its proven benefits, Silcor® is used in many of the worlds largest HCN production units. It is available in a variety of compositions for all your processing requirements.

For more information on how Silcor® can benefit your process, please contact SELEE Corporation.

Contact:
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- **Enhanced static mixing**
- **Opaque to radiant heat transfer**
- **Chemically inert**
- **Flat, rigid barrier for physical and thermal protection**
- **Engineered design for ease of installation**



BRC2005-07
Rev: 1, 7/7/09

Silcor® TBCS

Silcor® Ceramic Foam Applications HCN (Andrussow Process) Reactors Product List

Radiation Shields / Catalyst Supports

Application: Shield or Support	Part Number	Nominal Size (Inches and mm)	Ceramic Foam Composition
Catalyst Support	FCHM47RD1310SU	46.77" OD x 1.26" 1,188 x 32 mm	HPM
Catalyst Support	FCHM48Rd1020SU	48.50" OD x 1.00" 1,232 x 25.4 mm	HPM
Catalyst Support	FCAL80RD1020SU	80.00" OD x 1.00" 2,032 x 25.4 mm	AL
Radiation Shield	FCAL55RD2230SH	55.46" OD x 0.88" 1,409 x 22.5 mm	AL
Radiation Shield	FCAL48RD1020SHB	55.46" OD x 0.88" 1,409 x 22.5 mm	AL
Catalyst Support	FCZT52RD1020SU	53.58" OD x 1.00" 1,361 x 25.4 mm	ZTA
Catalyst Support	FCZT53RD1020SU	53.58" OD x 1.00" 1,361 x 25.4 mm	ZTA

Notes:

- 1) HPM—SELEE® High Purity Mullite
- 2) AL—SELEE® Alumina
- 3) ZTA—SELEE® Zirconia Toughened Alumina
- 4) Other shapes, compositions, and tolerances available upon request

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