

Fluidized Catalytic Cracking Unit

High Performance Refractories



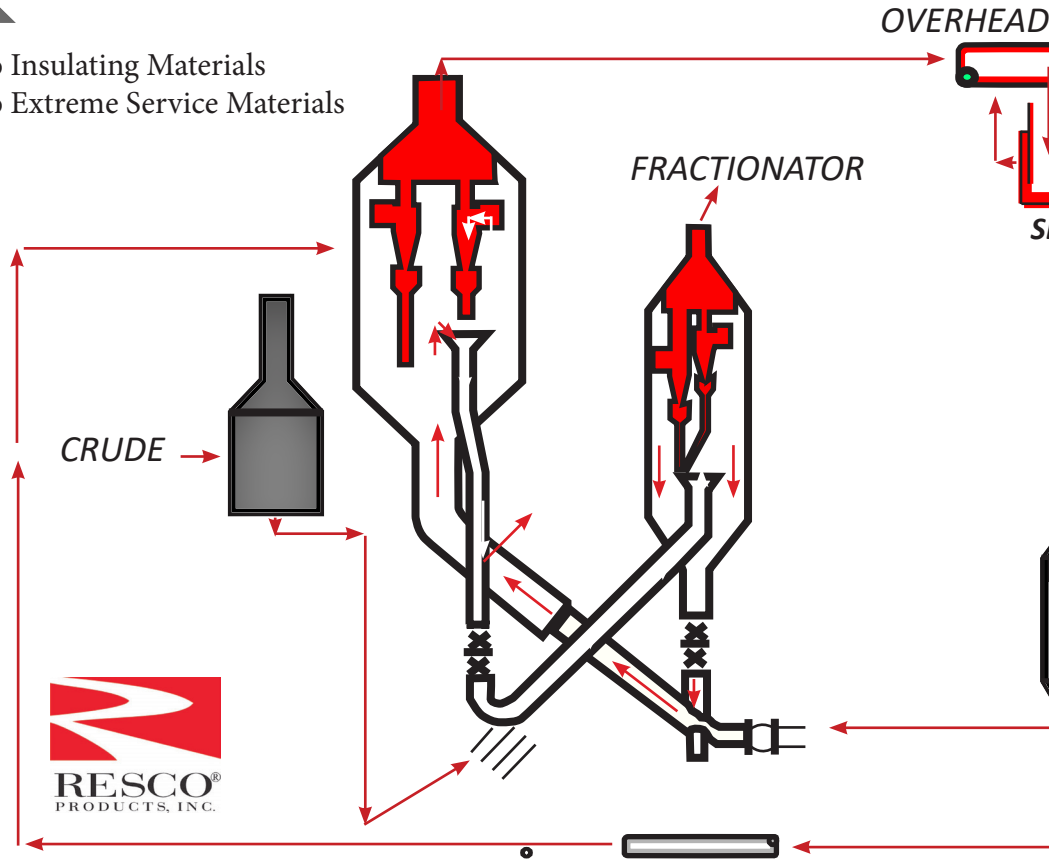
RESCO
PRODUCTS (UK) Ltd.

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FCC Unit

Product Recommendations

Resco Insulating Materials
 Resco Extreme Service Materials



Progun

Rescobond

Vibrocast

Sureflow

Rescocast

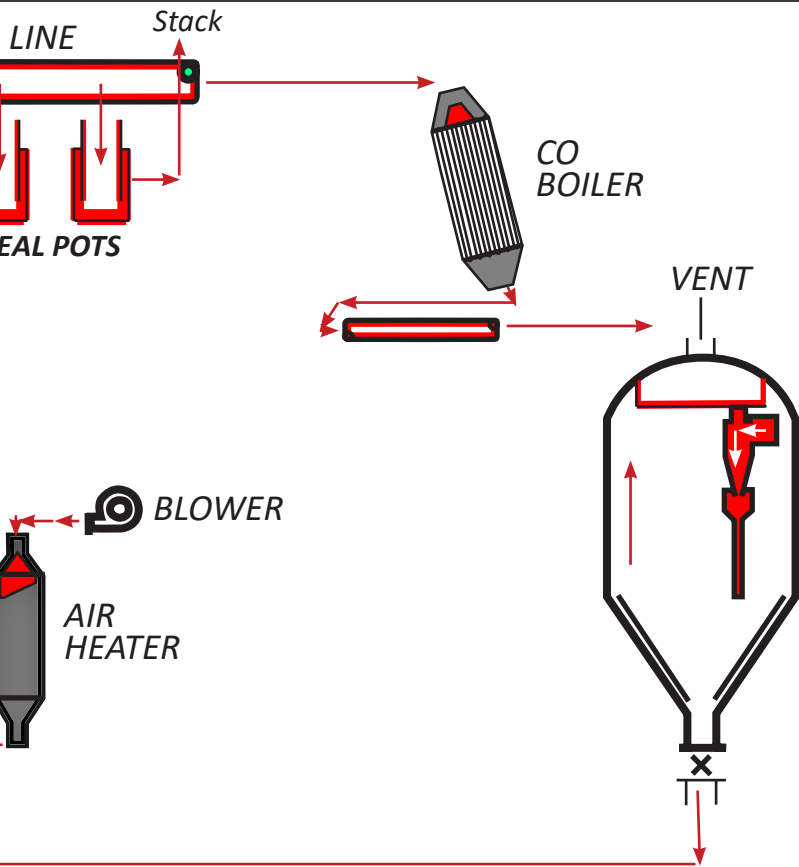
R-Max

Quiklite

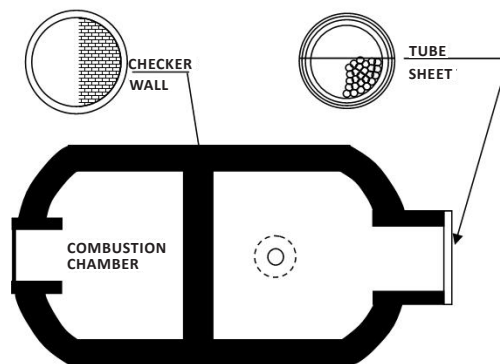
Product & Installation Method

TYPE	Casting	Gunning	Self Flow	Handpack	Pump cast
Insulating	Rescocast 3-35P				Rescocast 3-35PC
	Rescocast 3		Sureflow 3		Rescocast 3PC
	Rescocast 3BLI		Sureflow 3BLI		
	Rescocast 3E		Sureflow 3E		Rescocast 3EPC
	Rescocast 6		Sureflow 6		Rescocast 6PC
	Rescocast 7				
	Rescocast 8		Sureflow 8		
	Rescocast 9		Sureflow 9		Rescocast 9PC
	Extreme Service	Rescocast 17EMC	Rescocast 17EMG	Sureflow 17EM	Rescocast 17EM HP
Rescocast 110C		Rescocast 110G	Sureflow 110	Rescocast 110HP	
Rescocast 17EC		Rescocast 17EG	Sureflow 17E	Rescocast 17E HP	Rescocast 17E PC
Rescocast 88VC			Sureflow 88	Rescocast 88 HP	
Rescocast 17AC		Rescocast 17AG	Sureflow 17A	Rescocast 17A HP	
				Rescobond AA-22S	
LC		R-Max MP	Sureflow 93LC	R-Max MP	R-Max PC
	Vibrocast FS-6	ProGun FS-6G	Sureflow FS-6LC	Vibrocast FS-6HP	
				Rescobond mAAx	
			Rescobond 70F		

All Multipurpose Insulating Cast/Gun grades are available as fast Dry-Out "Quiklite" versions with the same Physical Properties.



Sulphur Recovery



Product Recommendations by Area

											KEY		
											✓	Recommended	
											✓*	Use in Erosive areas of Regen	
											✓**	Use for Hot wall designs	
											✓***	Use for Veneer repairs	
Regenerator Vessel walls	Reactor Vessel walls	Stand Pipes, J Bends, Riser, Spent Cat Lines	Overhead Lines	Cyclones & Internals	Field Joints (use HP or Sureflow Grades)	CO Boiler	Tertiary Collector	Fired Heater	Air Heater	Seal Pots	Sulphur Recovery		
								✓					
								✓					
✓	✓						✓	✓					
✓	✓						✓	✓					
✓	✓					✓	✓	✓	✓ Back up		✓ Inlet Tube		
✓	✓						✓	✓			✓		
✓*		✓	✓		✓		✓						
		✓	✓		✓		✓						
		✓			✓		✓						
	✓**	✓**		✓		✓			✓		✓ Tube sheet		
	✓**	✓**		✓									
	✓**	✓**		✓***									
	✓**	✓**		✓									
			✓		✓						✓		

FCC Unit

High Performance Refractories

TYPE	Product Name	Install Method	Max Service Temp	815°C Reheat Properties				Chemistry			Thermal Conductivity @540°C
				Bulk Density	Cold Crush Strength	Erosion loss (ASTM C704)	Permanent Linear Change	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	
				°C	Kg/m ³	Kg/cm ²	cc	%	%	%	W/mK
INSULATING	Rescocast 3-35P*	Cast/Gun	1095	432	>5	-	-0.8 to -1.5	32.7	29.9	2.7	0.16
	Rescocast 3-35PC*	Pump Cast	1095	570	>5	-	-0.8 to -1.5	29.8	33.3	8.8	0.16
	Rescocast 3*	Cast/Gun	1300	1200	>35	-	0.0 to -0.4	32.3	43.2	5.3	0.33
	Sureflow 3	Self Flow	1300	977	>42	-	-0.2 to -0.6	39.5	33.9	2.2	0.23
	Rescocast 3PC*	Pump Cast	1315	980	>42	-	-0.0 to -0.6	35.4	39.4	6.8	0.23
	Rescocast 3BLI*	Cast/Gun	1400	945	>28	-	-0.4 to -0.8	45.5	34.8	0.7	0.19
	Sureflow 3BLI	Self Flow	1300	720	>21	-	-0.4 to -0.8	48.6	32.5	0.6	0.18
	Rescocast 3E*	Cast/Gun	1200	1200	>49	-	-0.2 to -0.4	41.0	38.2	1.9	0.25
	Rescocast 3EPC	Pump Cast	1200	977	>49	-	-0.1 to -0.3	34.6	47.2	1.6	0.23
	Sureflow 3E	Self Flow	1200	977	>49	-	-0.1 to -0.3	45.5	33.1	1.1	0.23
	Rescocast 6*	Cast/Gun	1315	1280	>105	-	0.0 to -0.3	40.5	39.4	2.3	0.44
	Sureflow 6	Self Flow	1370	1082	>77	-	-0.1 to -0.4	46.6	32.5	2.0	0.31
	Rescocast 6PC*	Pump Cast	1315	1193	>77	-	0.0 to -0.3	41.9	39.3	2.3	0.31
	Rescocast 7*	Cast/Gun	1315	1440	>140	-	0.0 to -0.3	34.3	31.1	5.4	0.46
	Rescocast 8*	Cast/Gun	1540	1600	>63	-	0.0 to -0.3	45.5	44.1	0.9	0.57
	Sureflow 8	Self Flow	1540	1440	>140	-	-0.1 to -0.4	48.2	38.0	0.9	0.43
	Rescocast 9*	Cast/Gun	1427	1520	>56	-	0.0 to -0.3	39.8	41.6	3.0	0.57
Sureflow 9	Self Flow	1427	1442	>42	-	0.0 to -0.3	43.0	39.1	1.8	0.48	
Rescocast 9PC*	Pump Cast	1370	1410	>35	-	0.0 to -0.3	37.1	40.1	6.9	0.36	
EXTREME SERVICE	Rescocast 17EMC	Cast	1370	1786	>350	<20	-0.1 to -0.3	54.4	34.6	1.2	0.71
	Rescocast 17EMG	Gun	1370	1786	>210	<20	-0.1 to -0.3	50.4	38.0	1.3	0.71
	Sureflow 17EM	Self Flow	1370	1802	>350	<20	-0.1 to -0.3	56.0	32	1.3	0.71
	Rescocast 17EM HP	Hand Pack	1370	1786	>350	<20	-0.1 to -0.3	53.8	36	0.7	0.71
	Rescocast 110C	Cast	1315	1786	>350	<12	0.0 to -0.3	44.8	40.0	1.7	0.86
	Rescocast 110G	Gun	1315	1738	>350	<14	0.0 to -0.3	48.7	37.1	1.7	0.93
	Sureflow 110	Self Flow	1315	1754	>350	<12	0.0 to -0.3	54.5	31.0	1.4	0.78
	Rescocast 110HP	Hand Pack	1315	1786	>350	<12	0.0 to -0.3	46.1	40	1.3	0.78
	Rescocast 17EC	Cast	1510	2088	>550	<10	0.0 to -0.3	49.1	41.7	0.9	1.23
	Rescocast 17EG	Gun	1510	2088	>350	<14	0.0 to -0.3	50.1	40.3	1.0	1.19
	Sureflow 17E	Self Flow	1510	2162	>630	<10	0.0 to -0.3	58.0	32.7	0.8	1.42
	Rescocast 17E HP	Hand Pack	1510	2082	>490	<12	-0.1 to -0.3	55.6	37	0.7	0.97
	Rescocast 17E PC	Pump Cast	1510	2042	>455	<14	0.0 to -0.3	49.1	42	1.0	0.98
	Rescocast 17AC	Cast	1870	2707	>560	<12	0.0 to -0.3	95.0	0.1	0.1	2.61
	Rescocast 17AG	Gun	1870	2723	>350	<14	0.0 to -0.3	93.9	0.1	0.1	2.44
	Sureflow 17A	Self Flow	1870	2820	>620	<12	0.0 to -0.3	93.7	0.1	0.1	2.61
	Rescocast 17A HP	Hand Pack	1870	2723	>560	<15	-0.1 to -0.6	94.0	0.1	0.1	2.61
	Rescocast 88VC	Cast	1510	2178	>700	<8	-0.1 to -0.3	49.3	41.5	0.9	1.28
	Sureflow 88	Self Flow	1510	2178	>758	<8	0.0 to -0.3	55.6	35.2	0.8	1.46
	Rescocast 88 HP	Hand Pack	1510	2178	>700	<8	-0.1 to -0.3	55.6	37	0.7	1.28
Rescobond AA-22S	Hand Pack/Ram	1427	2688	>1120	<3.4	0.0 to -0.3	73.6	13	1.0	2.03	
Rescobond mAax	Hand Pack/Ram	1427	2688	>1120	<3	0.0 to -0.3	80.0	7.0	0.9	2.23	
Low Cement	R-Max MP	Hand Pack/Ram/Gun	1250	2788	>1310	<3	0.0 to -0.4	83.7	7.6	1.2	2.71
	Vibrocast FS-6HP	Hand Pack/Ram	1095	2098	>483	<14	0.0 to -0.3	20.2	77.3	0.4	0.92
	ProGun FS-6G	Gun	1095	1920	>560	<15	0.0 to -0.3	21.2	76	0.3	0.92
	Vibrocast FS-6	Cast	1095	2098	>483	<14	0.0 to -0.3	20.2	77.3	0.4	0.92
	Sureflow FS-6LC	Self Flow	1095	2170	>552	<14	0.0 to -0.3	28.2	70	0.1	0.92
	Sureflow 93LC	Self Flow	1700	2883	>1380	<3	0.0 to -0.3	91.5	6.1	0.1	2.50
	R-Max PC	Pump Cast/Cast	1760	2784	>800	<8	0.0 to -0.3	80.2	14	1.1	2.10

Data for Multipurpose "Gun/Cast" castables and "Gun" castables is based on Gunned specimens.

*Also Available as Fast Dry-Out "Quiklite" versions