



Product Brochures

Cement Industry



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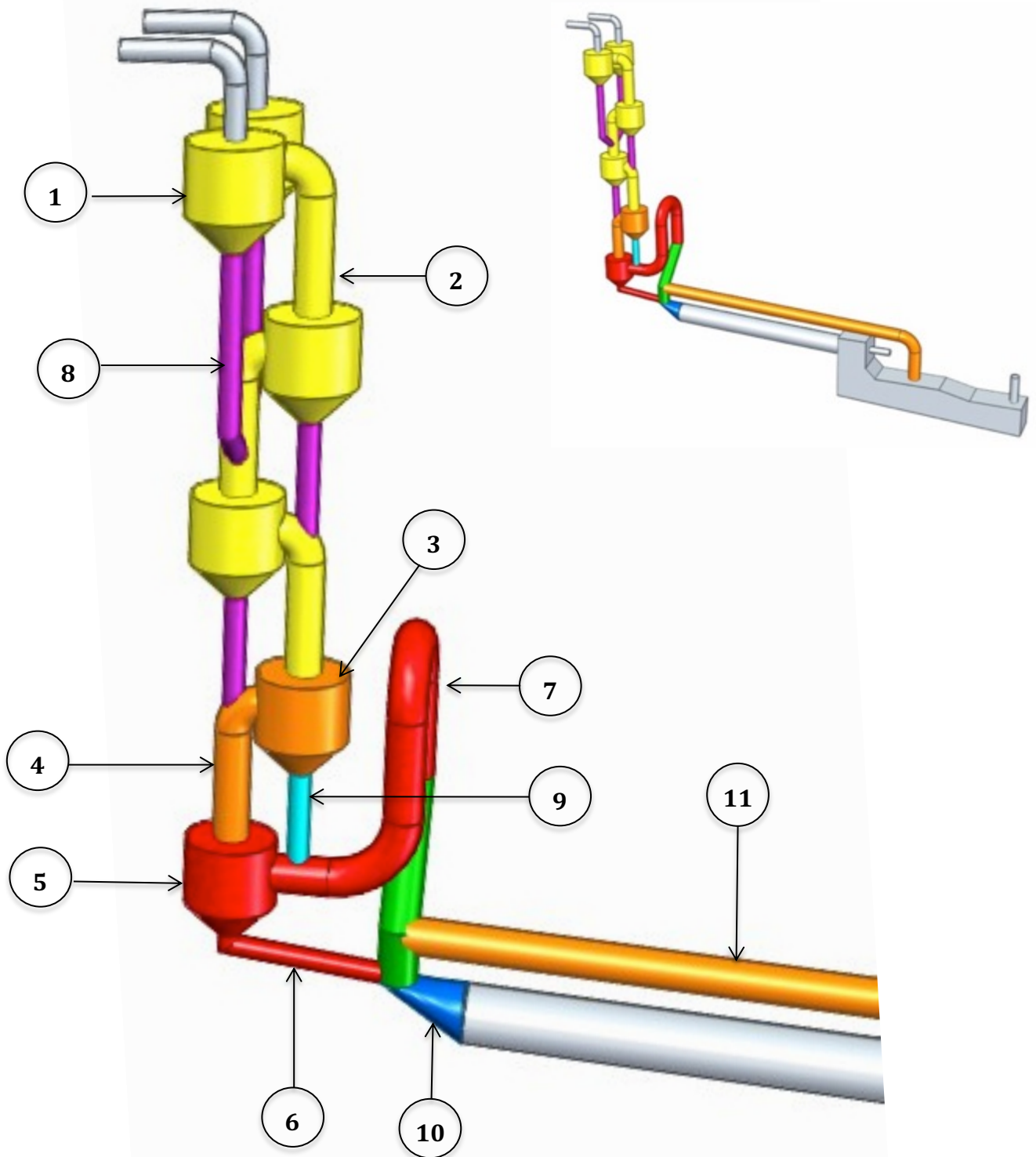
SACAS
ISO 9001:2015

SACAS
ISO 14001:2015

SACAS
OHSAS 18001:2007

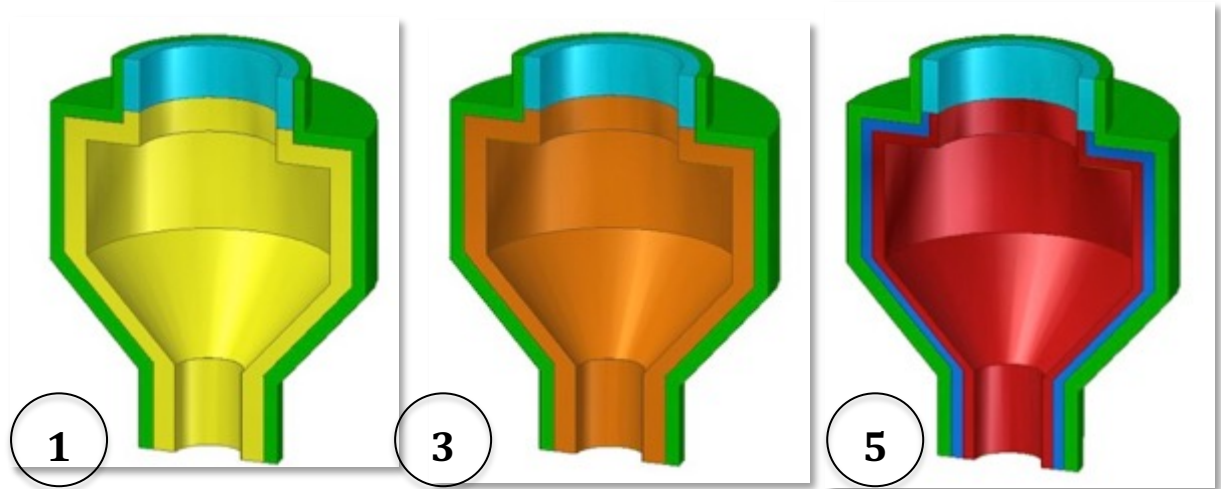
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Heat Exchanger & Preheaters



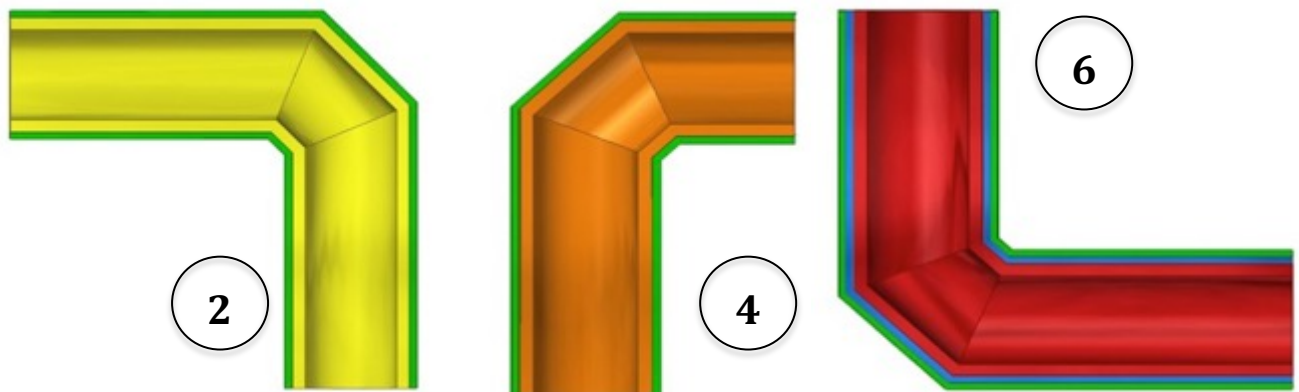
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Cyclones



Insulation layer	Wear lining
Insulation fiber paper, blanket or boards	Delta Crete® 705
Calsil boards	Delta Gun® 702
Delta Gun® 1001	Delta Gun® 652
Delta Plast® 1004	Delta Cast® 355
Delta Gun® 1001	Delta Cast® 409
Delta Plast® 1004	Delta Cast® 453
Delta Crete® 903	Delta Crete® 511
Delta Gun® 705	Delta Gun® 511
	Delta Gun® 652
	Delta Plast® 901

Hot Air Ductings



Delta Refractories (Pty) Ltd
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Revised: 2018/10/31

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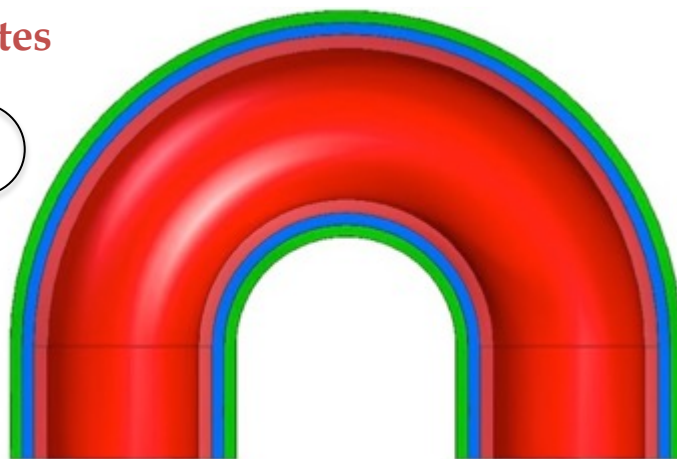
Website
www.deltaref.com

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Calciner and Powder Chutes

Insulation layer	
	Insulation fiber paper, blanket or boards
	Calsil boards
	Delta Gun® 1001
	Delta Plast® 1004
	Delta Gun® 1001
	Delta Plast® 1004
	Delta® Crete 903
	Delta® Gun 705
Wear lining	
	Delta Crete® 653
	Delta Cast® 409
	Delta Gun® 652
	Delta Gun® 511
	Delta Crete® 903
	Delta Cast® 355

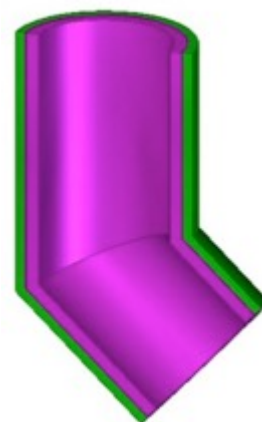
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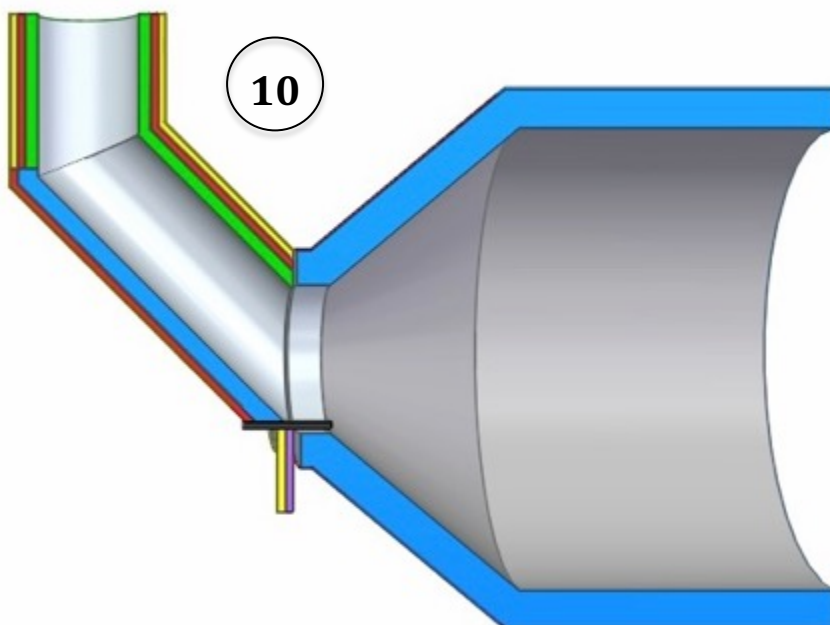
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Feeding End

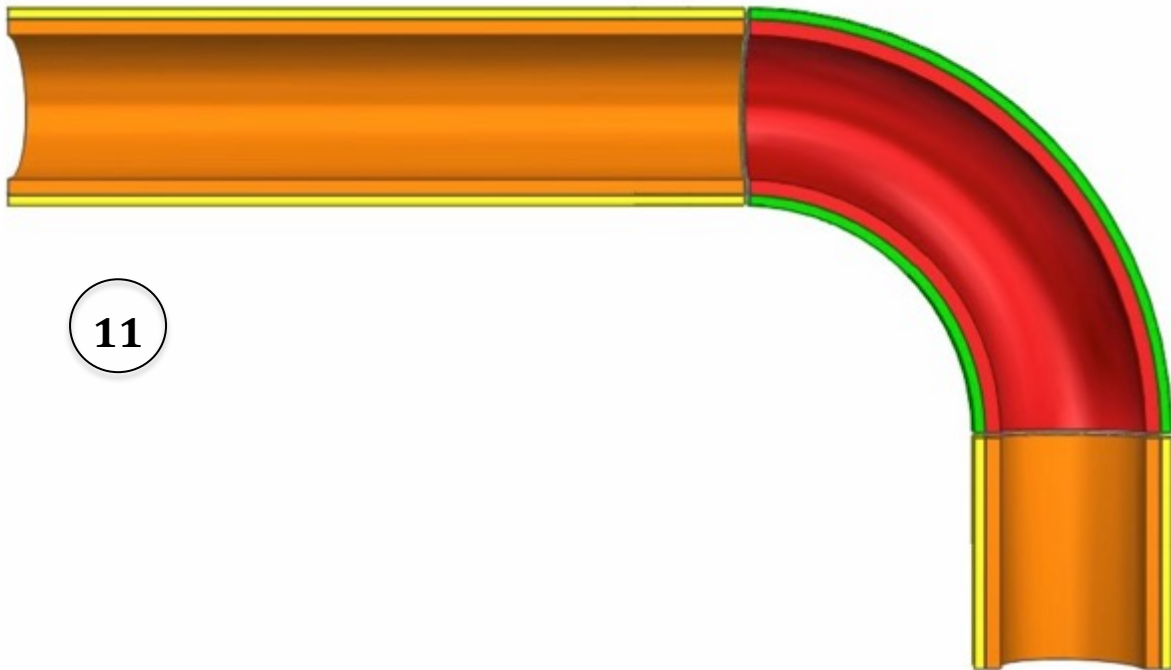


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Insulation layer	
	Insulation fiber paper, Blanket or boards
	Calsil boards
	Delta Gun® 1001
	Delta Plast® 1004
	Delta Crete® 903
	Delta Gun® 1001
	Delta Plast® 1004
	Delta Gun® 705
Wear lining	
	Delta Crete® 705
	Delta Gun® 511
	Delta Cast® 355
	Delta Cast® 409
	Delta Gun® 511
	Delta Cast® 355
	Delta Cast® 262

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Tertiary Air Duct

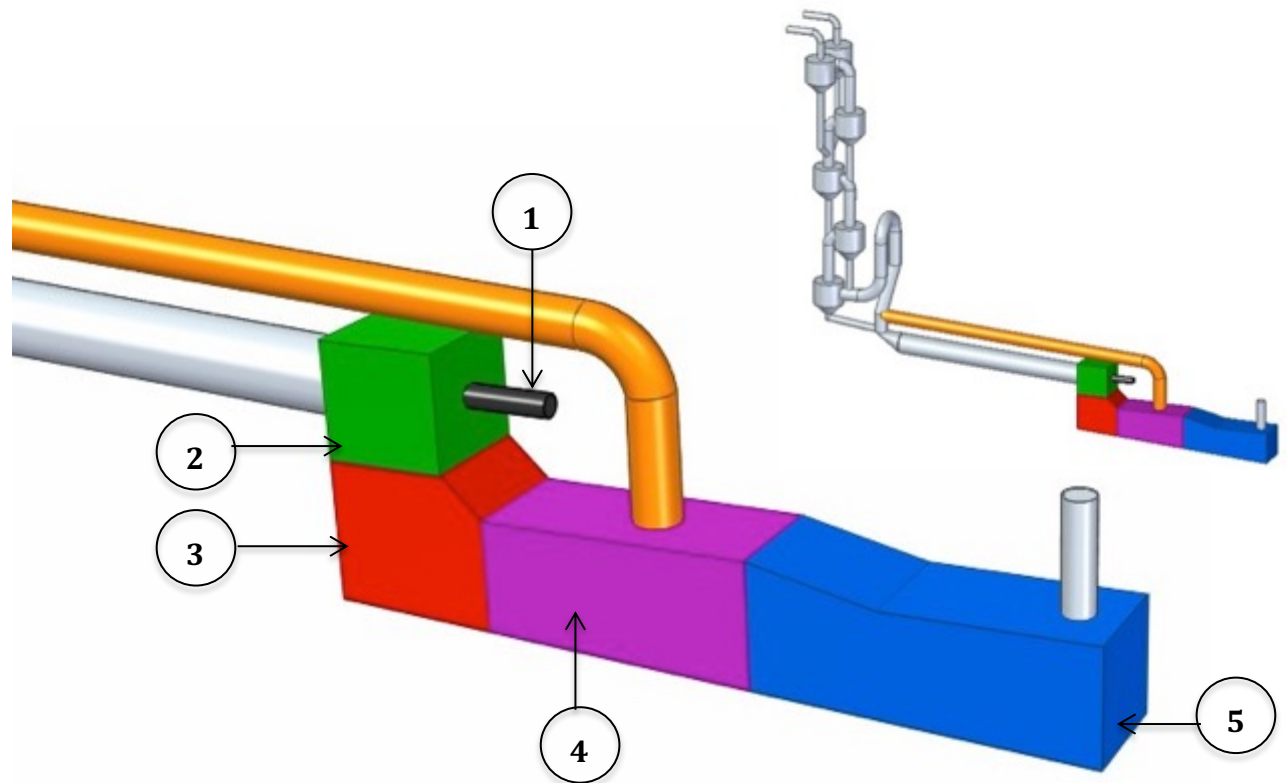


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Insulation layer		Wear lining	
Yellow	Insulation fiber paper, blanket or boards	Orange	Delta Crete® 653
	Calsil boards		Delta Cast® 409
	Delta Gun® 1001		Delta Gun® 505
	Delta Plast® 1004		Delta Cast® 453
	Delta Plast® 1004		Delta Cast® 327
Green	Delta Gun® 1001	Red	Delta Gun® 652
	Delta Gun® 1001		Delta Cast® 409
	Delta Crete® 903		Delta Cast® 327
			Delta Gun® 511
			Delta Cast® 453
			Delta Cast® 355

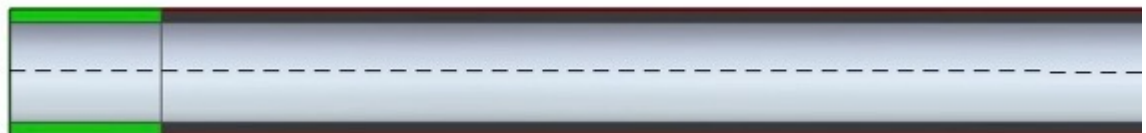
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Furnace Outlet with Grate Cooler



Burner Lance

1

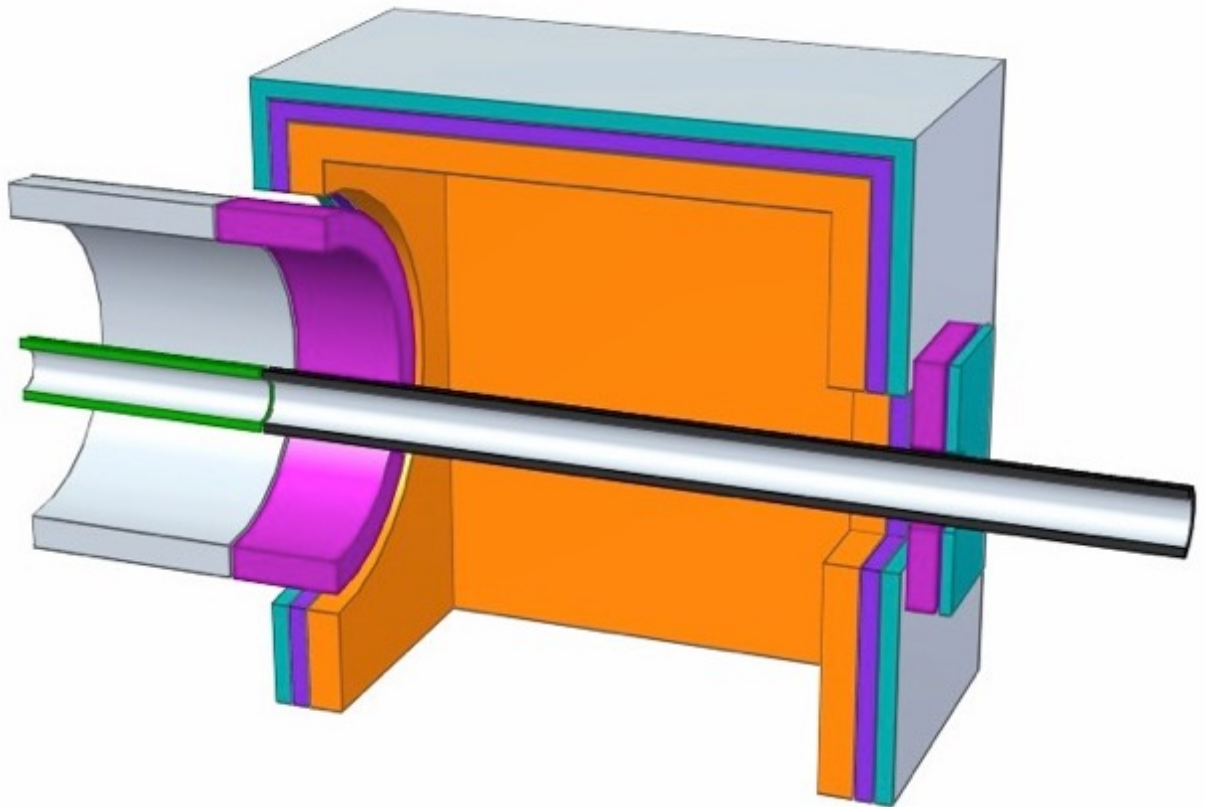


Delta Cast® 409	Delta Cast® 409
Delta Flow® 350	Delta Cast® 255
Delta Chem® 500	Delta Cast® 202
Delta Gun® 511	Delta Chem® 500

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Kiln Hood

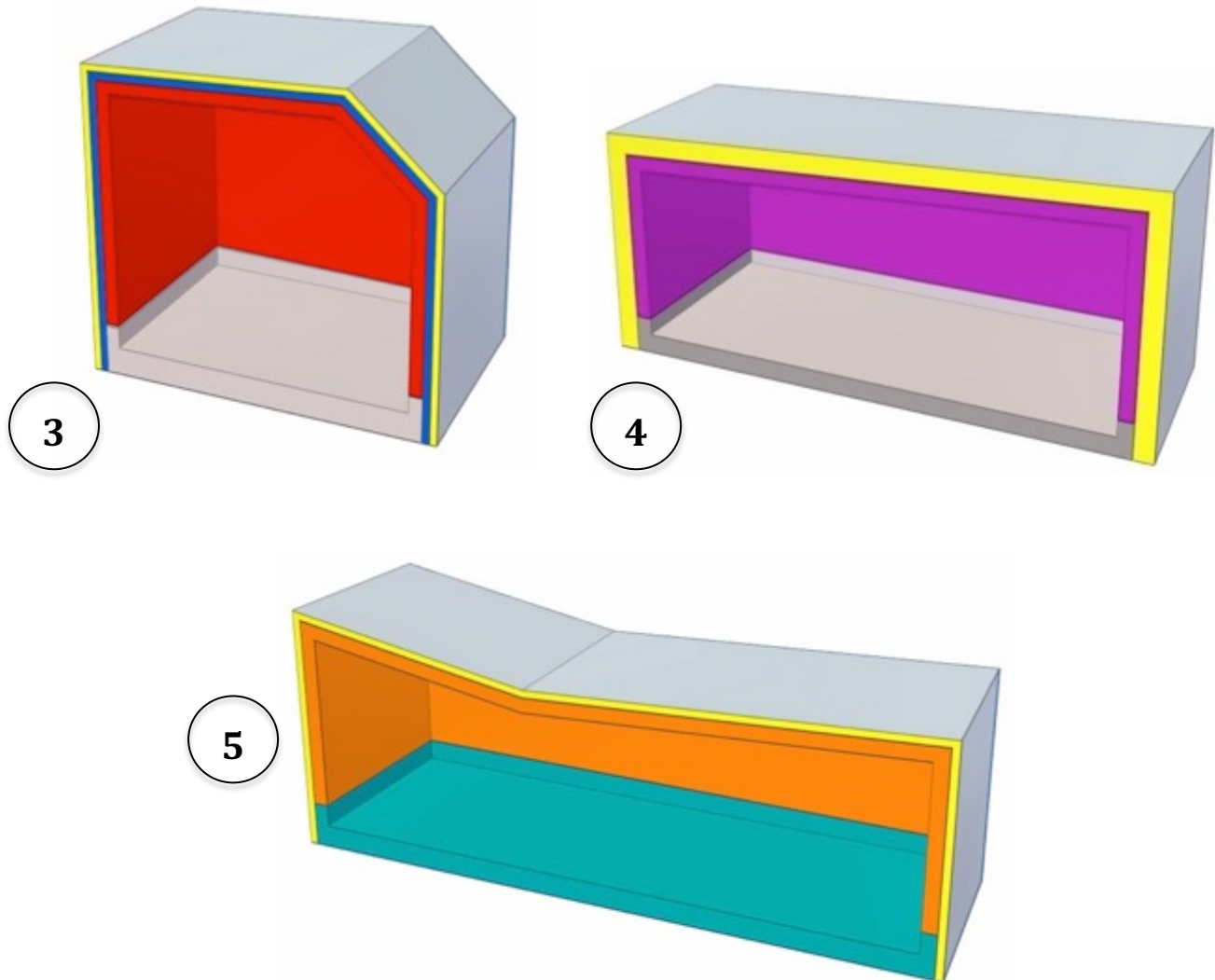
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Insulation layer	Wear lining
Insulation fiber paper, blanket or boards	Delta Gun® 705
Calsil boards	Delta Gun® 511
Delta Gun® 1001	Delta Cast® 409
Delta Plast® 1004	

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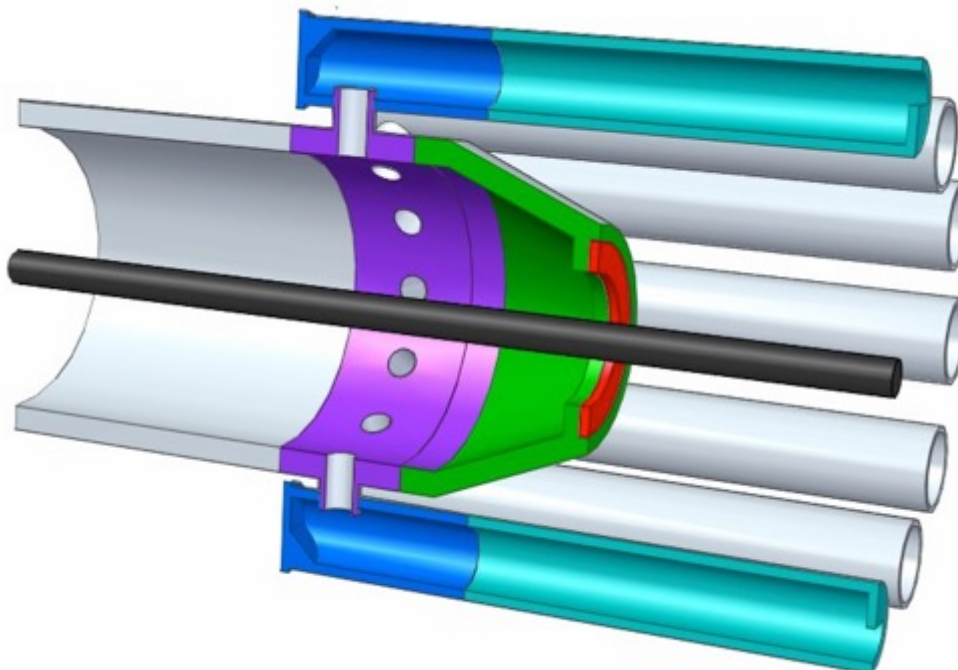
Grate Cooler



Insulation layer	Wear lining
Insulation fiber paper, blanket or boards	Delta Gun® 705
Calsil boards	Delta Gun® 511
Delta Gun® 1001	Delta Cast® 409
Delta Plast® 1004	Delta Gun® 652
	Delta Gun® 511
	Delta Cast® 415.5
	Delta Gun® 705
	Delta Cast® 605
	Delta Gun® 652

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Planetary Cooler



Insulation layer		Wear lining			
	Insulation fiber paper, blanket or boards Calsil boards Delta Gun® 1001 Delta Plast® 1004		Delta Cast® 225 Delta Cast® 350 Delta Cast® 327 Delta Cast® 225 Delta Cast® 324 Delta Cast® 331 Delta Cast® 606 Delta Crete® 311		
	Wear lining				
			Delta Cast® 208 Delta Cast® 327 Delta Cast® 331 Delta Cast® 324 Delta Crete® 311 Delta Gun® 511	Delta Cast® 415 Delta Cast® 431 Delta Cast® 324 Delta Cast® 453 Delta Cast® 802	
				Delta Cast® 262 Delta Cast® 350 Delta Cast® 327	Delta Crete® 511 Delta Plast® 901

Product datasheet for the Cement Industry

Description	Remarks	Base Raw Material	Max temp ° C	Max grain size mm	SiO ₂	Al ₂ O ₃	CaO	MgO	Fe ₂ O ₃	TiO ₂	Na ₂ O	K ₂ O	SiC	ZrO ₂	CCS Mpa 110C	BD g/cm ³
Delta Cast® 202 *	LCC	Alumina	1800	6	9.0	89.0	1.8	0.1	0.0	0.0	0.0	0.0			>200	3.02
Delta Cast® 208 *	LCC	Alumina	1800	6	6.2	90.5	2.0	0.1	0.3	0.7	0.1	0.1			>120	3.15
Delta Cast® 225 *	LCC	Alumina	1800	6	0.8	88.4	2.2	0.2	0.3	0.9					>130	>3.0
Delta Cast® 255	LCC	Alumina	1750	6	0.8	95.8	1.8	0.2	0.2	0.9	0.2	0.2			110	3.05
Delta Cast® 262 *	LCC	Bauxite	1750	6	4.9	88.0	2.9	0.1	1.7	2.5	0.0	0.0			>110	>2.75
Delta Cast® 324	LCC	Andalusite	1700	8	37.1	60.2	1.8	0.1	0.6	0.1	0.0	0.0			>60	2.60
Delta Cast® 327	LCC	Bauxite	1700	12	17.7	76.6	2.4	0.1	1.3	1.8	0.1	0.1			>95	2.70
Delta Cast® 331	LCC	Bauxite	1700	5	10.9	80.4	3.2	0.1	1.7	2.5	0.1	0.2			>50	>2.48
Delta Cast® 350 *	LCC	Bauxite	1650	6	13.0	78.0	5.3	0.2	1.2	2.7	0.1	0.1			>130	2.74
Delta Cast® 355 * °	LCC	Andalusite	1650	6	34.3	56.1	1.9	0.1	0.6	0.1	0.0	0.0	7.0		80	2.40
Delta Cast® 409 * °	LCC	Andalusite	1600	8	40.2	51.1	2.5	0.1	0.6	0.5	0.0	0.0	5.0		>50	2.50
Delta Cast® 415.5	LCC	Andalusite	1600	6	39.8	56.2	2.7	0.1	0.7	0.2	0.1	0.1			70	2.60
Delta Cast® 431	LCC	Chamotte	1600	5	40.0	55.2	2.5	0.1	0.7	0.5	0.1	0.1			70	2.40
Delta Cast® 453 *	LCC	Chamotte	1550	6	43.4	52.3	2.3	0.0	0.6	1.0	0.1	0.1			100	2.40
Delta Cast® 605	MCC	Chamotte	1400	6	47.6	44.2	6.1	0.1	1.5	0.2	0.1	0.1			>50	2.09
Delta Cast® 606 *	MCC	Bauxite	1400	3	9.0	80.0	7.0	0.1	1.2	2.7	0.1	0.1			>180	3.00
Delta Cast® 802 *	MCC	Bauxite	1200	3	10.0	78.3	7.6	0.1	1.2	2.7	0.1	0.1			>130	2.75
Delta Chem® 500 * °	NCC	Corundum	1500	6	13.4	70.2	0.0	0.0	0.2	0.0	0.1	0.1	5.0	6.8	>50	>3.0
Delta Crete® 311	HCC	Bauxite	1700	6	7.4	82.7	5.6	0.1	1.6	2.6	0.0	0.1			>50	2.70
Delta Crete® 511 *	MCC	Chamotte	1500	3	44.0	64.0	7.5	0.1	0.7	1.1	0.1	0.1			80	2.20
Delta Crete® 653	Hydraulic	Chamotte	1350	5	40.4	34.1	14.9	0.0	1.4	0.2	0.0	0.0			55	2.00
Delta Crete® 705	Hydraulic	Chamotte	1300	3	46.4	43.0	7.7	0.3	1.5	1.0	0.1	0.1			>35	1.60
Delta Crete® 903	Hydraulic	Chamotte	1100	4	38.7	39.6	17.0	2.4	1.1	0.5	0.2	0.4			>3	0.90
Delta Flow® 350	LCC	Alumina	1650	6	18.8	78.5	2.2	0.1	0.3	0.1	0.0	0.0			>70	2.75
Delta Gun® 1001	Hydraulic	Perlite	1000	3	39.3	29.6	24.5	0.4	0.7	0.4	1.9	3.3	-		3	0.57
Delta Gun® 505	Hydraulic	Chamotte	1500	3.5	39.0	50.0	7.6	0.0	0.7	0.8	0.1	0.1	5.0		>40	2.00
Delta Gun® 511 * °	Hydraulic	Andalusite	1500	3	39.8	48.0	4.5	0.1	0.8	0.6	0.1	0.2			60	2.30
Delta Gun® 652	Hydraulic	Chamotte	1350	6	43.8	41.1	12.9	0.1	1.7	0.3	0.0	0.1			60	2.00
Delta Gun® 702	Hydraulic	Chamotte	1400	3	42.1	47.6	8.1	0.3	1.3	0.4	0.1	0.2			>30	1.80
Delta Gun® 705	Hydraulic	Chamotte	1300	5	42.0	41.0	16.0	0.5	0.5	0.4	0.1	0.1			>30	1.50
Delta Plast® 1004	Hydraulic	Perlite	1000	2	48.8	26.5	18.8	0.1	0.5	0.1	1.8	3.4			4	0.50
Delta Plast® 901 *	MCC	Andalusite	1100	3	35.7	50.5	12.2	0.2	0.9	0.2	0.1	0.2			>130	2.50

* High wear resistance

° Alkali and accretion resistance

LCC - Low cement castable, HCC - High cement castable, MCC - Medium cement castable, NCC - No cement castable