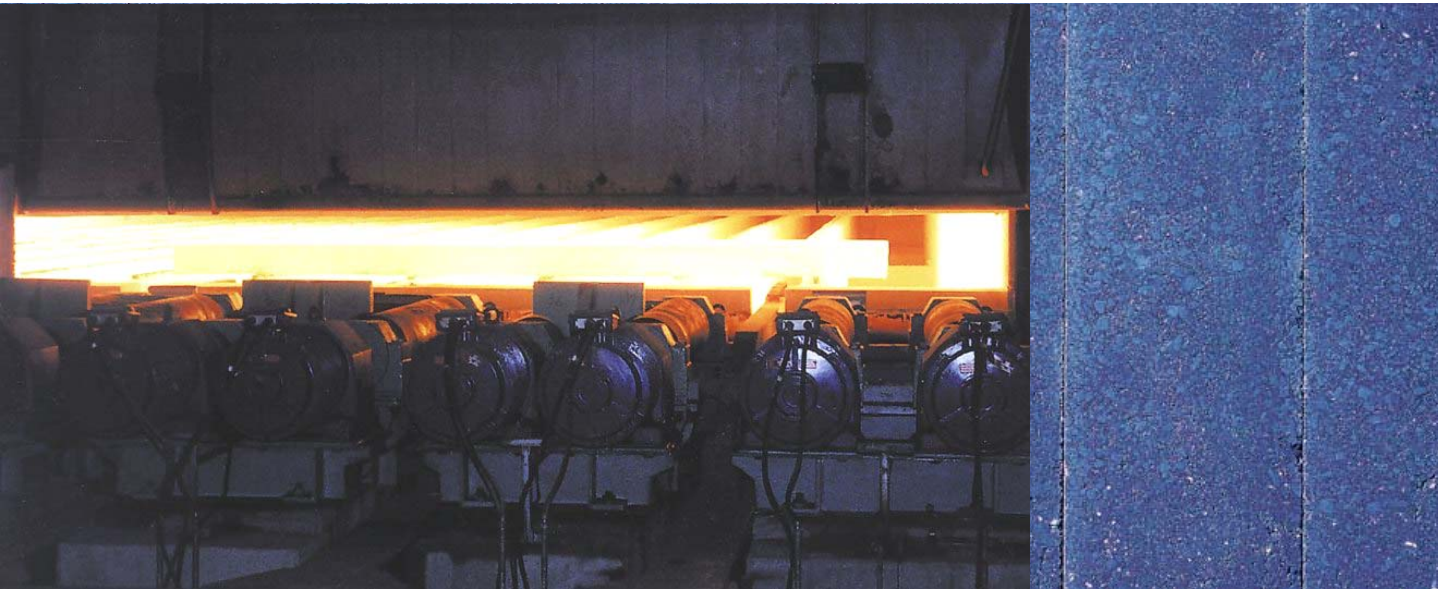


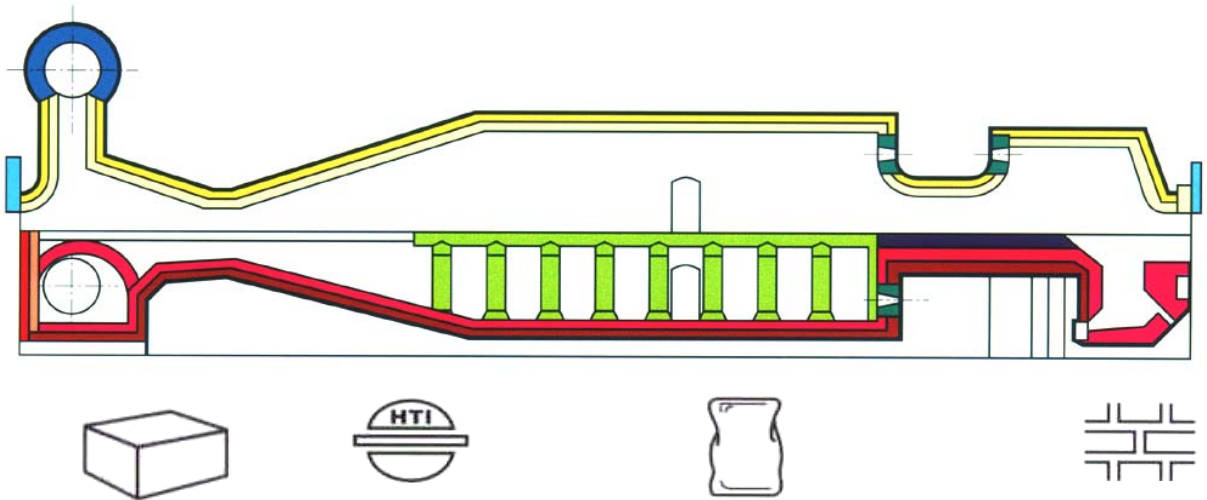
HEAT TREATMENT FURNACE

热处理炉

**ENGLISH/ CHINESE
VERSION**
中英文版本



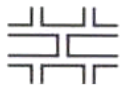
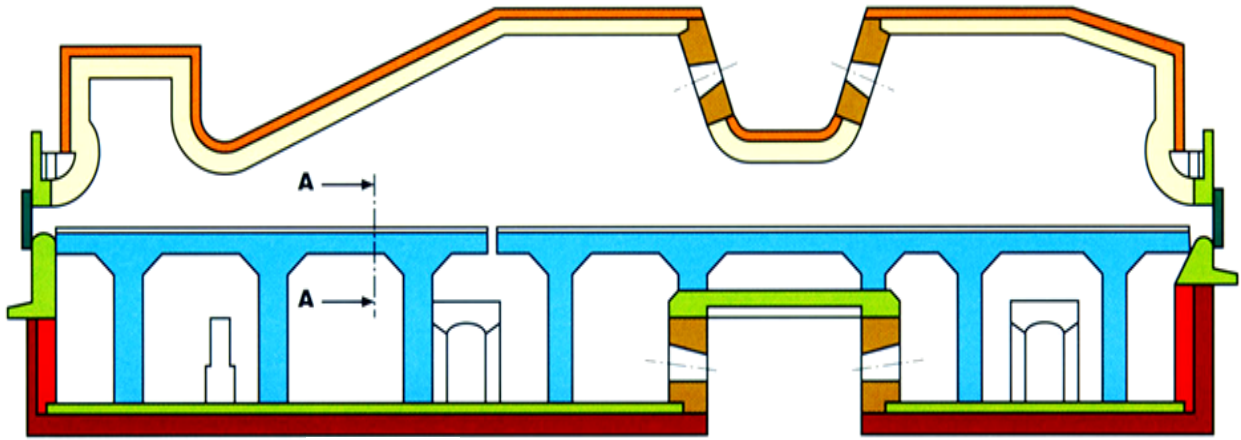
Lining Concepts for the Heating & Heat Treatment Furnace
加热炉及热处理炉的炉衬设计方案



	Roof F 炉顶 F	L 30 L 26	DIPLAST 140, 150, 165, 170, 175 DIPLASTIT 170-C 0-6
	Roof I 炉顶 I	SUPETHERM 1500, 1800 SUPETHERM EXTRA, SPZL. MINWOL 140	LEGRIT 110-0, 9-C 0-4 LEGRIT 100-0, 5-C 0-4
	Walls F 炉壁 F		DIDURIT 150-C 0-6 DIPLASTIT 170-C 0-6 DIPLAST 150 0-6
	Walls I 炉壁 I	L 23 LEGRAL 26/7 PYROSTOP ISOL 450	DIDOTECT 135 V 0-0.5
	Bottom F 炉底 F	MAXIAL 300	DIDURIT 150-C 0-6 DIDURIT 170-C 0-6 DIDOTECT 135 V 0-0.5
	Bottom I 炉底 I	LEGRAL 26/7 PYROSTOP ISOL 450	LEGRIT 110-0, 9-C 0-4 DIDOTECT 135 V 0-0.5
	Standers, Slide Pipes 辊道		DIDURIT 150-C 0-6 DIDURIT 170-C 0-6
	Burner 烧嘴	DURITAL A 90 DURITAL M 70	DIPLAST 140, 150, 165, 170, 175 DIDURITAL 170W (Prefab of DIDURIT 170-C 0-6)
	Waste Gas Flue 废气烟道	MAXIAL 330 LEGRAL 26/7	LEGRIT 110-0, 9-C 0-4
	Door 炉门	PYROSTOP FALTBLOCK DW 737-143	LEGRIT 135-1, 3-C 0-10 DIDURIT 150-C 0-6
	Slide Rails 滑轨	CARSIAL 90	CARSIMUR 40/90 0-0.3

- Hot Layer resp. Wear Layer F代表受热层、工作层

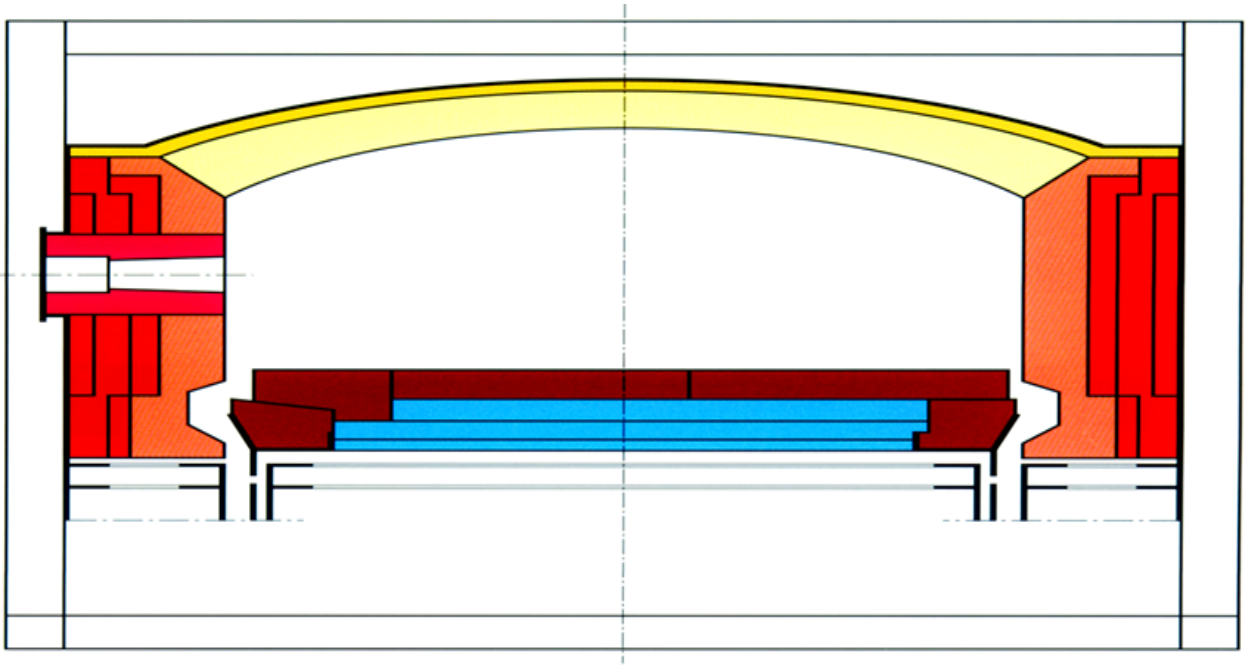
Insulation Layer I代表隔热层



Roof F 炉顶 F	MAXIAL 300 RESISTAL S 65	L 26 L 30	DIPLAST 140, 150, 165, 170, 175 DIPLASTIT 170-C 0-6 LEGRIT 135-1, 3-C 0-10	DIDOTECT 150 V 0-0.5
Roof I 炉顶 I		SUPETHERM 1500, 1800 SUPETHERM EXTRA, SPZL. MINWOL 140	LEGRIT 100-0, 5-C 0-4	
Sidewalls F 侧墙 F	MAXIAL 300 RESISTAL S 65		DIPLAST 140, 150, 165, 170, 175 DIPLASTIT 170-C 0-6 LEGRIT 135-1, 3-C 0-10	DIDOTECT 150 V 0-0.5
Sidewalls & Bottom I 侧墙及炉底 I		L 23 LEGRAL 26/7 MINWOL 140 PYROSTOP ISOL 450 SUPETHERM 1500, 1800 SUPETHERM EXTRA, SPZL.		DIDOTECT 135 V 0-0.5
Bottom F 炉底 F	MAXIAL 300		DIDURIT 150-C 0-6 DIDURIT 170-C 0-6	DIDOTECT 150 V 0-0.5
Burner 烧嘴		SUPETHERM 1500, 1800 SUPETHERM EXTRA, SPZL.	DIPLAST 140, 150, 165, 170, 175	
Doors 炉门		PYROSTOP BLANKET 48, 64, 96, 128, 160 / 1260° C 64, 96, 128, 160 / 1430 °C 100 / 1600 °C MINWOL 140 PYROSTOP FALTBLOCK DW 737 -143	LEGRIT 135-1, 3-C 0-10 DIDURIT 150-C 0-6	
Support Pipe System F 支撑管系统 F			DIDURIT 170-C 0-6	

F - Hot Layer resp. Wear Layer F代表受热层、工作层

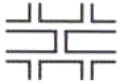
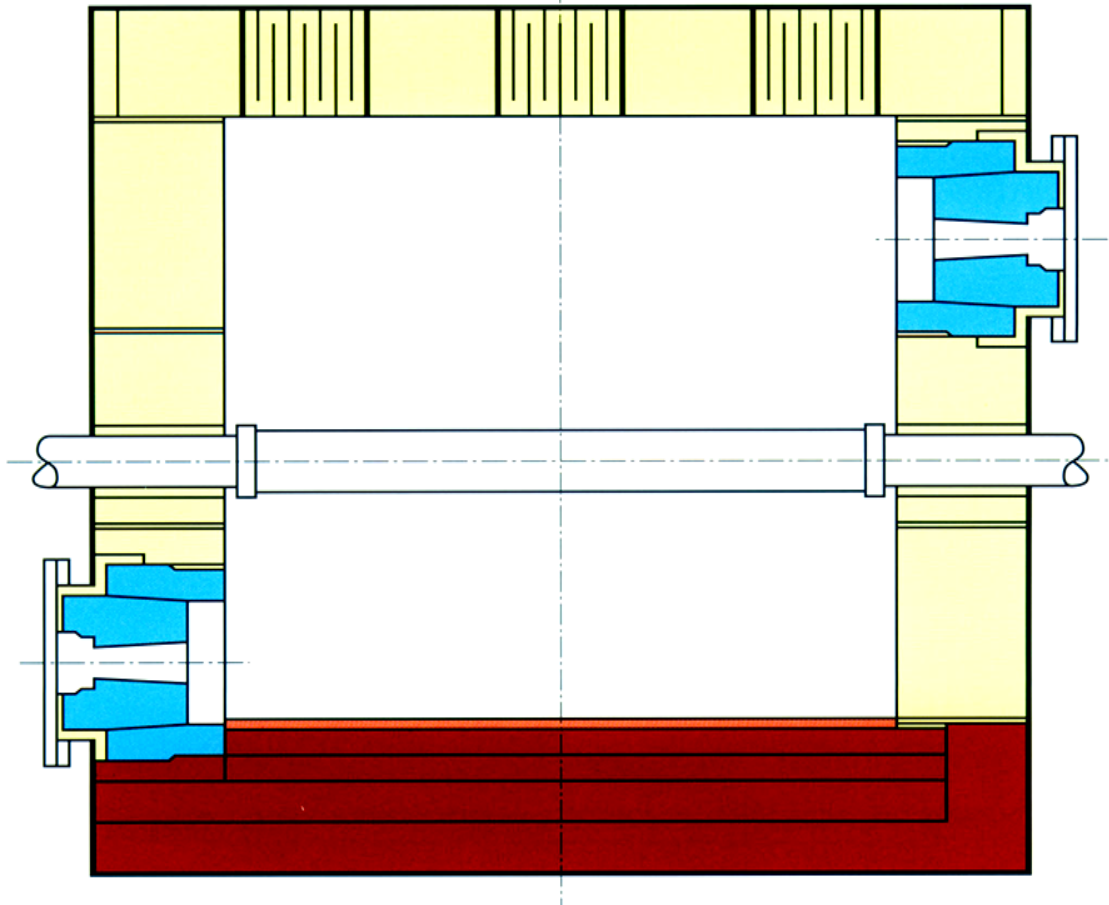
I - Insulation Layer I代表隔热层



Roof F 炉顶 F	MAXIAL 300 RESISTAL S 65	DIDURIT 170-C-0-6	DIDOMUR C 80
Roof I 炉顶 I	PYROSTOP ISOL 450 SUPETHERM 1500 MINWOL 140	LEGRIT 100, 105, 110, 120, 135	
Sidewalls F 侧墙 F		DIPLAST 150 0-6 COMPRIT 130H-C 0-6 (Or) COMPRIT 145H-C 0-6 DIPLASTIT 170-C 0-6	
Sidewalls I 侧墙 I	L 23 L 26 PYROSTOP ISOL 450 MINWOL 140	LEGRIT 110-0, 9-C 0-4	DIDOTECT 135 V 0-0.5
Burner Brick 烧嘴砖		DIPLAST 165 0-6 DIURITAL 170W (Prefab of DIDURIT 170-C 0-6)	
Rotary Hearth F 炉膛 F		DIPLAST 170-C 0-6 DIURITAL 170W (Prefab of DIDURIT 170-C 0-6)	
Rotary Hearth I 旋转炉膛 I		LEGRIT 135-1, 3-C 0-10	DIDOTECT 135 V 0-0.5

Hot Layer resp. Wear Layer F 代表受热层、工作层

Insulation Layer I 代表隔热层



Roof, Sidewalls 炉顶、侧墙		PYROSTOP FALTBLOCK DW 737 - 126	
Bottom F 炉底F	MAXIAL 300	COMPRIT 130H-C 0-6 (OR) COMPRIT 145H-C 0-6	DIDOTECT 135 V 0-0.5
Bottom I 炉底I	L 23 PYROSTOP ISOL 450 MINWOL 140	LEGRIT 110-0, 9-C 0-4	
Burner, Walls around Burner 烧嘴、环绕烧嘴的炉墙		LEGRIT 135-1, 3-C 0-10 DIDURITAL 170 W (Prefab of DIDURIT 170-C 0-6) DIDURIT 170-C 0-6	

- Hot Layer resp. Wear Layer F代表受热层、工作层

- Insulation Layer I代表隔热层

PRODUCT 品名	CHEMICAL PROPERTIES in %化学成分					PHYSICAL 物理性能	
	Al2O3	SiO2	Fe2O3	MgO	Cr2O3	BD g/cm3	MST °C
REFRACTORY BRICKS 耐火砖							
CARSTAL 90	0.8	8.0	0.7	-	-	2.68	-
DURITAL A 90	89.0	10.0	0.1	-	-	2.96	1700
DURITAL M 70	75.0	24.0	0.3	-	-	2.55	1650
MAXIAL 300	46.0	50.0	1.3	0.3	-	2.35	1470
MAXIAL 330	35.0	60.0	1.2	0.1	-	2.25	1350
RESISTAL S 65	63.5	33.5	1.0	0.4	0.3	2.56	1620

PRODUCT 品名	CHEMICAL PROPERTIES in %化学成分			PHYSICAL PROPERTIES 物理性能		
	Al2O3	SiO2	Fe2O3	MST °C	Mtl. Req. kg / dm3	Bonding

REFRACTORY MIXES 耐火料							
COMPRIT 130H-C 0-6		40	42.0	1.8	1300	2.10	hydraulic
COMPRIT 145H-C 0-6		71	15.0	1.4	1500	2.55	hydr.-special
DIDURIT 150-C 0-6		43	52.0	1.2	1500	2.25	hydr.-special
DIDURIT 170-C 0-6		84	10.0	1.1	1700	2.93	hydraulic
DIDURITAL 170 W		84	10.0	1.1	1700	2.93	pre-fab
DIPLAST 140	2)	34	60.0	2	1400	2.25	hydraulic
DIPLAST 150	KR)2)	49	46.0	1.1	1500	2.40	hydraulic
DIPLAST 165	2)	60	35.0	1.2	1650	2.50	hydraulic
DIPLAST 165	KR)2)	60	36.0	1.2	1650	2.50	hydraulic
DIPLAST 170	2)	77	18.0	0.8	1700	-	hydraulic
DIPLAST 170 0-6	KR)2)	77	18.0	0.7	1700	2.85	hydraulic
DIPLAST 170 SPZL.	2)	77	18.0	0.8	1700	2.80	hydraulic
DIPLAST 175	2)	90	7.0	0.3	1750	3.10	hydraulic
DIPLAST 175 0-6	KR)2)	92	5.7	0.4	1750	3.10	hydraulic
DIPLASTIT 170-C 0-6		70	20.0	1.5	1700	2.20	hydraulic
LEGRIT 100-0,5-C 0-4		39	19.0	3	1000	0.52	hydraulic
LEGRIT 105-0,8	1)	33	22.0	13	1050	0.80	hydraulic
LEGRIT 110-0,8	1) / 2)	24	39.0	11	1100	0.8 / 0.9	hydraulic
LEGRIT 100-0,9-C 0-4		32	39.0	5	1100	0.94	hydraulic
LEGRIT 120-1, 7AL-C 0-10		41	43.0	2	1200	1.63	hydraulic
LEGRIT 135-1,3C 0-10		41	43.0	2	1350	1.36	hydraulic

MST	Maximum Service Temperature 最高使用温度
MTL.REQ	Material Requirement 材料要求
1)	Insatllation - Venting by Spikes 砌筑-需要振动叉
2)	Mouldable Plastic Mix 模铸可塑性料
KR)	Mouldable Plastic Mix in Crumbs 颗粒状模铸可塑性料

REFRACTORY MASTICS & MORTARS 耐火胶泥及火泥						
PRODUCT 品名	CHEMICAL PROPERTIES in % 化学成分				PHYSICAL PROP. 物理性能	
	Al ₂ O ₃	SiO ₂	SiC	TiO ₂	Mtl. Req. 材料要求 kg / dm ³	Bonding 粘结剂
CARSIMUR 40/90 0-0.3	43.5	10.0	43.5	-	1.60	ceramic
DIDOTECT 135 v 0-0.5	21.0	72.5	-	0.7	1.85	chemical
DIDOTECT 150 v 0-0.5	50.5	42.0	-	1.8	1.95	chemical

HIGH TEMPERATURE INSULATION 高温隔热材料

Bricks, Mortar, Calcium Boards, Mineral Wool Slaps & Ceramic Fibre Blankets

砖、火泥、钙板、石棉板剂陶瓷纤维毡

PRODUCT 品名	CHEMICAL PROPERTIES in % 化学成分			PHYSICAL PROP. 物理性能		
	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	MST °C	BD g/cm ³	
L 23	37	44.0	0.4	-	0.50	
L 26	58	39.0	0.7	1400	0.79	
L 30	73	25.0	0.5	-	1.02	
LEGRAL 26 / 7	1)	33	60.0	1.8	-	0.60
PYROSTOP ISOL 450	2)	14	69.0	4.4	850	0.40
SUPERTHERM 1500	3)	0.5	64.0	0.2	800	0.27
SUPERTHERM 1800	3)	0.7	51.0	0.2	1000	0.27
SUPERTHERM EXTRA	4)	23	42.0	2.8	1100	0.30
SUPERTHERM SPZL	4)	17	56.0	2.9	-	0.30
MINWOL 140	4)	13	46.0	13	750	0.14
PYROSTOP PLANKET 48 / 1260		47	52.0	-	1250	0.048
PYROSTOP PLANKET 64 / 1260		47	52.0	-	1250	0.064
PYROSTOP PLANKET 96 / 1260		47	52.0	-	1250	0.096
PYROSTOP PLANKET 128 / 1260		47	52.0	-	1250	0.128
PYROSTOP PLANKET 160 / 1260		47	52.0	-	1250	0.160
PYROSTOP PLANKET 64 / 1430		35	50.0	-	1400	0.064
PYROSTOP PLANKET 96 / 1430		35	50.0	-	1400	0.096
PYROSTOP PLANKET 128 / 1430		35	50.0	-	1400	0.128
PYROSTOP PLANKET 160 / 1430		35	50.0	-	1400	0.160
PYROSTOP PLANKET 100 / 1600		80	20.0	-	1600	0.100
PYROSTOP FLATBLOCK DW737-126		47	52.0	-	1250	0.14
PYROSTOP FLATBLOCK DW 737-143		35	50.0	-	1400	0.14

MST	Maximum Service Temperature 最高使用温度
BD	Bulk density 体积密度
v	ready for use 可直接使用
1)	± 2.5% at least ± 3 mm
2)	SO ₃ < 0.5 %
3)	Calcium Silicate Base 硅钙质
4)	Ceramic Fiber Base 陶瓷纤维