

INDIA

INSULATING SOLUTIONS FOR REFINERY, PETROCHEMICALS & FERTILIZER INDUSTRY

EXPERIENCE LARGE ENERGY SAVING WITH OUR
VERMICULITE BASED INSULATING SOLUTIONS

 calderys

CALDERYS IN INDIA



Performance you can trust

Combining a global network with local expertise, we offer customised solutions wherever you are. We develop innovative products, services and installation techniques to best fit your equipment and processes.

- 6 plants and 3 brick merchandise units across India
- More than 1,500 formulations
- Serving over 5,000 customers
- More than 160 years of experience
- Over 50 distributors across India
- A world leader in acidic monolithics
- Pioneering digital customer engagement in refractories with Caldezone



Industries we serve





INSULATING SOLUTIONS FOR CUSTOMERS



- For over 160+ years, Calderys has been providing the best high temperature solutions for various industries.
- Calderys provides refractory solutions for complete plants: Turnkey refractory projects from engineering to refractory installation.
- Thanks to the inherent low density and low thermal conductivity, our best range of insulating castables reduce energy consumption & saves cost.
- The parameters of our insulating solutions are well controlled, resulting in lesser yield density compared to those available in the Indian market.

Key benefits



Low thermal conductivity



Customization as per licensor's specifications



Low bulk density



Tested and proven products



Faster lead time

A WIDE RANGE OF SOLUTIONS

SR. NO.	PRODUCT	SALIENT FEATURES		
1	CALDE® CAST LW 134 C/G	Casting (rodding or minimum vibration) & gunning		
		Light weight	Good strength	
		Can be used up to 1,340 °C		
2	CALDE® CAST MW 25 C/G	Casting (rodding or minimum vibration) & gunning		
		Medium weight	High strength	
		Can be used up to 1,340 °C		
3	CALDE® CAST LW 146 LI	High purity	Light weight	High strength
		High Al ₂ O ₃ content (50%) and low Fe ₂ O ₃ content (0.9%)		
		Can be used up to 1,460 °C		
4	CALDE® CAST MW 140 C/G	Casting (rodding or minimum vibration) & gunning		
		Medium weight	High strength	
		Can be used up to 1,400 °C		
5	CALDE® CAST LW 133 C/G	Casting (rodding or minimum vibration) & gunning		
		Light weight	Good strength	
		High Al ₂ O ₃ content (47%), can be used up to 1,330 °C		
6	CALDE® CAST MW 136 C/G	Casting (rodding or minimum vibration) & gunning		
		Medium weight	High strength	
		Can be used up to 1,360 °C		
7	CALDE® CAST XL 140	Casting (rodding or minimum vibration)		
		Extra light weight	Good strength	High Al ₂ O ₃ content (49%)
		Can be used up to 1,400 °C		
8	CALDE® FLOW MW 136	Deflocculated insulating castable-can be installed under self flow		
		Medium weight	Very high strength	
		Can be used up to 1,360 °C		
9	CALDE® CAST MW 140 CO	Class A/B co resistant product as per ASTM C 288		
		Can be installed by casting (rodding or minimum vibration)		
		High purity	Light weight	High strength
		Can be used up to 1,400 °C,		
		High Al ₂ O ₃ content (59%) and low Fe ₂ O ₃ content (0.9%)		

SR. NO.	PRODUCT	SALIENT FEATURES		
10	CALDE® CAST LW 134 CO C/G	Class A/B co resistant product as per ASTM C 288		
		Casting (rodding or minimum vibration) & gunning		
		Light weight	Good strength	Can be used up to 1,350 °C
		High Al ₂ O ₃ content (42%) and low Fe ₂ O ₃ content (1%)		
11	CALDE® CAST MW 180 CO	Class A/B co resistant product as per ASTM C 288		
		Can be installed by casting (rodding or minimum vibration)		
		High purity	Medium weight	High strength
		Can be used up to 1,800 °C		
		High Al ₂ O ₃ content (96%) and low Fe ₂ O ₃ content (0.1%)		
12	CALDE® CAST XL 140 CO	Class A/B co resistant product as per ASTM C 288		
		Can be installed by casting (rodding or minimum vibration)		
		High purity,	Extra light weight	Good strength
		Can be used up to 1,400 °C,		
		High Al ₂ O ₃ content (49%) and low Fe ₂ O ₃ content (0.7%)		
13	CALDE® GUN MW 170 CO	Class A/B co resistant product as per ASTM C 288		
		Can be installed by gunning,		
		High purity	Medium weight	Very high strength
		Can be used up to 1,700 °C		
		High Al ₂ O ₃ content (93%) and low Fe ₂ O ₃ content (0.2%)		
14	CALDE® CAST MW 166	Deflocculated insulating castable- installed by vibration		
		High purity	Medium weight	Very high strength
		Can be used up to 1,360 °C,		
		High Al ₂ O ₃ content (68%) and low Fe ₂ O ₃ content (0.5%)		
15	CALDE® CAST MW 116	Medium weight	Very high strength	
		Can be used up to 1,160 °C		
16	CALDE® CAST LW 130 C/G	Casting (rodding or minimum vibration) & gunning		
		Light weight	Good strength	
		Can be used up to 1,300 °C		
17	INSULYTE 4	Low density	Medium purity	Low thermal conductivity
18	INSULYTE 6 SP	Low density medium purity low thermal conductivity		
19	INSULYTE 7	Low density medium purity low thermal conductivity		

SR. NO.	PRODUCT	SALIENT FEATURES			
20	INSULYTE 8S	Low density low iron	High purity low plc	Low thermal conductivity	
21	INSULYTE 9	Medium density	Medium purity		
22	INSULYTE 9HS	Medium density	Medium purity	High strength	
23	INSULYTE 10S	Medium density	Medium purity		
24	INSULYTE 11	Medium density	Medium purity		
25	INSULYTE 11 SPL	Medium density low iron		High purity low PLC	
26	INSULYTE 11 LI	High purity low iron	Medium density low thermal conductivity		
		High strength			
27	INSULYTE 11 LIZ	High purity low iron	Medium density low thermal conductivity		
		CO resistant			
28	INSULYTE 13	Medium density	Medium purity		
29	INSULYTE 13 LI	Medium density low iron		High purity high strength	
30	INSULYTE 15	Medium density	Medium purity		
31	INSULYTE 15 LI	Medium density low iron			High purity high strength
32	INSULYTE HT	High purity	Medium density	High temperature	
33	TABCAST 97 L	Bubble alumina castables high alumina/low iron			
		CO resistant low silica			

APPLICATIONS OF INSULYTES

CRUDE, VACUUM COKER FURNACE

INSULYTE 4
INSULYTE 7
INSULYTE 85
INSULYTE 11
INSULYTE 11 LI



PLATFORMER

INSULYTE 4
INSULYTE 7
INSULYTE 8S
INSULYTE 108
INSULYTE IT LI

INSULATING PETROCHEM

VERTICAL CYLINDER HEATER

INSULYTE 7
INSULYTE 8S
INSULYTE 10S
INSULYTE 11 LI

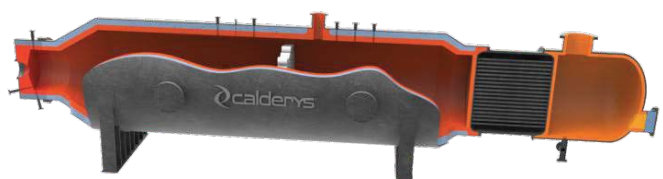


SRU-MAIN COMBUSTION CHAMBER

ACCGUN INS 8S
TABCAST 97L C/G
ACCGUN INS 17

INSULYTE BS
INSULYTE 13
INSULYTE HT

INSULYTE 11 SPL
INSULYTE 13LI
INSULYTE 15 LI



KEY HIGHLIGHTS OF THE NEW INSULYTE LINE

Automatic batching through SCADA (Syntact) system to ensure accurate weighing of batch formulation.

Homogeneous mixing of all the ingredients by our mixer specifically designed for mixing insulating castables.

Packing of products in open mouth as well as valve bags as per customer's requirements.

Large plant capacity for the manufacturing of light-weight & ultra lightweight castables.

In-house state-of-the-art exfoliator for manufacturing unique light weight aggregates for manufacturing special insulating monolithic with lower bulk density, thermal conductivity and higher strength.

Export of global products in economical cost & shortest possible delivery time due to proximity of Mundra Port (approx. 200 KM from our plant).



Batching line



Mixer

KEY EQUIPMENT

INSULYTE & VERMICULITE EXFOLIATION LINE



Silos & Flobins



Mixer tower & Packing machine

CALDERYS LAB FACILITIES

Furnace | GSD Analysis | Casting Facility
Strength Testing Machine



Furnaces



Humidity chamber



CCS & MOR check



Lab mixer

Quality Check Details



Loose bulk density (LBD)



CCS & MOR check



Thermal conductivity testing



Moisture check



GSD Analysis



PLC at high temperature



Casting



Water requirement



CONTACT US HERE



www.calderys.com

