

Zibo Double Egret Thermal Insulation Co., Ltd.

Insulation · Refractory · Eco-friendly

### CCEWOOL® Research series alumina foil Ceramic Fiber Board

### **Description:**

CCEWOOL® Research series aluminum foil ceramic fiber board is using special equipment and binder to bond the ceramic fiber blanket with alumina foil to form a composite products with integrated structure. The alumina foil is qualified with Europe standard, one-off adhesive and has good bond effect. One side, two sides and six sides aluminum foil are available.

## **Characteristics:**

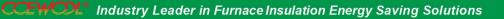
Ultra thin thickness range is 5 -10mm Low heat capacity, low thermal conductivity; Non-brittle material, good elasticity; High compressive strength; Excellent wind-erosion resistance, long service life; Excellent thermal stability and thermal shock resistance; Continuous production, even fiber distribution and stable performance; Good sound insulation; Good anti-stripping properties; Easily molded or cut, easy to install; Accurate sizes and good flatness

# **Application:**

Vessel, aerospace

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Email: ccewool@ceceramicfiber.com Website: www.ceceramicfiber.com www.cndoubleegret.com





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### **Technical data:**

CCEWOOL® Research series alumina foil ceramic fiber board					
Classification temperature	1050 (1920°F)	1260 STD (2300°F)	1260 HP (2300°F)	1400 (2550°F)	1430 HZ (2600°F )
Operation Temp( $^{\circ}\mathbb{C}$ )	950	1050	1100	1200	1350
Permanent Linear Change	on Heating	; (%)			
@950C,24hrs	4	-	-	-	-
@1200C,24hrs	-	3	3	-	-
@1300C,24hrs	-	-	-	3	-
@1350C,24hrs	-	-	-	-	3
Thermal Conductivity (w/m.k)					
<b>600</b> ℃	0.13	-	-	-	-
<b>800</b> ℃	0.2	0.13	0.13	0.12	0.16
<b>1000</b> ℃	-	0.19	0.19	0.2	0.2
Rupture Strength (Mpa)				· · · ·	
Thickness≤25mm	0.5	0.5	0.5	0.5	0.5
Thickness>25mm	0.2	0.2	0.2	0.2	0.2
Chemical Composition (%)	)			· · · · ·	
Al2O3	37	46	46-49	52-55	39-40
Al2O3+SiO2	96	97	99	99	-
ZrO2	-	-	-	-	15-17
Al2O3+SiO2+ZrO2	-	-	-	-	99
Fe2O3	≤1.0	≤0.8	≤0.2	≤0.2	≤0.2
Na2O+K2O	≤0.8	≤0.5	≤0.2	≤0.2	≤0.2
Package	Carton box or pallet				

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**CCEWOL\*** Industry Leader in Furnace Insulation Energy Saving Solutions



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#### Size:

CCEWOOL®	Research series alumina foil ceramic fiber board				
Thickness (mm)	20/25/50	80/100			
Density (kg/m3)	280/300/320/350	280/300/320			
Size (mm)	1200*1000 or customized size				

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