

Data sheet

Bailey Bond

ENGLISH

Metric information - Page 2

Description

Bailey Bond Cement is a high conductivity filler which was originally developed to ensure good thermal contact between Bailey wall tiles and boiler tubing and provide an anti-corrosion coating layer. It is supplied as a putty consistency and should be kneaded into place to form a strong, heat conducting bond on drying and firing.

Features

- Anti corrosive.
- High thermal conductivity to ensure good thermal contact.

Installation method

Trowelling and bond applied.

Datasheet

Prepared using EN BSI and ISO standard Methods.

Storage

Store in a dry, well ventilated warehouse. Do not allow to freeze.

Precautions

Do not leave drum open. Keep out of direct sunlight.

Typical applications

- Filler for good thermal contact between Bailey all tiles and boiler tubing.

Instructions for Use

Ready mixed. Apply direct from drum.

Rate of Usage – As Required.



Data sheet

Bailey Bond

CHARACTERISTICS	
Bond Type	Air-Setting
Raw Material Base	Corundum
Maximum Grain Size (mm)	
Maximum Service Temperature (°C)	1000
Bulk Density Dried to 110°C (kg/m ³)	
Net Material Required (kg/m ²)	

PHYSICAL PROPERTIES		
Test Temperature (°C)	Cold Crushing Strength (N/mm ²)	Permanent Linear Change (%)
110	N/A	N/A
815	N/A	N/A
1000	N/A	N/A
MST	N/A	N/A

TYPICAL CHEMICAL ANALYSIS (%)	
Al ₂ O ₃	76
SiO ₂	16
Fe ₂ O ₃	3

MODULUS OF RUPTURE (N/mm ²)	
110°C	N/A
815°C	N/A
ABRASION RESISTANCE ASTM C704 (cm ²)	
815°C	N/A
PALLET SIZE	
kg	900

THERMAL CONDUCTIVITY		
W/mK		
@ mean temp		
200°C		
400°C		
600°C	2.16	
800°C		
1000°C		
1200°C		

WATER ADDITION	
% by weight	Ready Mixed
Volume per Bag (l)	N/A
Bag Weight (kg)	25

Contact

Europe:

Telephone:
+44 (0) 151 334 4030

E-mail:
marketing.tc@morganplc.com

North America:

Telephone:
+1 (706) 796 4200

E-mail:
northamerica.tc@morganplc.com

South America:

Telephone:
+54 (11) 4373 4439

E-mail:
marketing.tc@morganplc.com

Asia:

Telephone:
+65 6595 0000

E-mail:
asia.mc@morganplc.com

The values given herein are typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations.

They are supplied as a technical service and are subject to change without notice.

Therefore the data contained herein should not be used for specification purposes.

Check with your Thermal Ceramics office to obtain current information or a Compliance Data Sheet where guaranteed property specifications are required.

Before using these materials, it is strongly recommended that the installer consults Thermal Ceramics manual "storage and installation manual" copies of which are obtainable from Thermal Ceramics offices or distributors.

Morgan Advanced Materials plc Registered in England & Wales at Quadrant, 55-57 High Street, Windsor, Berkshire SL4 1LP UK Company No. 286773