

BELLO ARROW COLLECTION

PRODUCT CERTIFICATE
 Finished Product Laboratory
ISO 13006-10545
 Equivalent to the Brazilian Norm NBR 13818
 Dry-pressed ceramic tiles Eb > 10% Group BIII

PRODUCT: Bello Arrow Acero Matte 12x36

TIPOLOGY: Wall

SIZE: 30x90

Characteristics	Test as per	Results
Physical		
Water Absorption (%E)	ISO 10545-3 NBR 13818 - annex: B (Eb > 10%)	>10
Modulus of Breaking Strength (MPa)	ISO 10545-4 NBR 13818 - annex: C (Average: ≥ 15)	15
Breaking Load (N)	ISO 10545-4 NBR 13818 - annex: C (Average: ≥ 600)	600
Moisture Expansion (mm/m)	ISO 10545-10 NBR 13818 - annex: J	0,4
Crazing Resistance	ISO 10545-11 NBR 13818 - annex: F	Resist
Frost Resistance	ISO 10545-12 NBR 13818 - annex: M	NA
Resistance to Thermal Shock	ISO 10545-9 NBR 13818 - annex: L	Not Resist
Chemical		
Resistance to Stains		
Green staining agent in light oil	ISO 10545-14 NBR 13818 - annex: G (Minimum: 3)	5
Red staining agent in light oil		5
Iodine		5
Olive Oil		5
Chemical Resistance		
Hydrochloric Acid 3% (v/v)	ISO 10545-13 NBR 13818 - annex: H (Minimum: B)	A
Potassium Hydroxide 30g/L		A
Citric Acid 100g/L		A
Lactic Acid 5% (v/v)		A
Hydrochloric Acid 18% (v/v)		A
Potassium Hydroxide 100g/L		A
Ammonium Chloride 100g/L		A
Sodium Hypochloride 20mg/L		A
Coefficient of Friction		
Dry Surface	NBR 13818 - annex: N Method: TORTUS III (Value ≥ 0,4)	NA
Wet Surface		NA
Local of Use		
IC - Internal Coating		

BELLO ARROW COLLECTION

PRODUCT CERTIFICATE
 Finished Product Laboratory
ISO 13006-10545
 Equivalent to the Brazilian Norm NBR 13818
 Dry-pressed ceramic tiles Eb > 10% Group BIII

PRODUCT: Bello Arrow Bronze Matte 12x36

TIPOLOGY: Wall

SIZE: 30x90

Characteristics	Test as per	Results
Physical		
Water Absorption (%E)	ISO 10545-3 NBR 13818 - annex: B (Eb > 10%)	>10
Modulus of Breaking Strength (MPa)	ISO 10545-4 NBR 13818 - annex: C (Average: ≥ 15)	15
Breaking Load (N)	ISO 10545-4 NBR 13818 - annex: C (Average: ≥ 600)	600
Moisture Expansion (mm/m)	ISO 10545-10 NBR 13818 - annex: J	0,4
Crazing Resistance	ISO 10545-11 NBR 13818 - annex: F	Resist
Frost Resistance	ISO 10545-12 NBR 13818 - annex: M	NA
Resistance to Thermal Shock	ISO 10545-9 NBR 13818 - annex: L	Not Resist
Chemical		
Resistance to Stains		
Green staining agent in light oil	ISO 10545-14 NBR 13818 - annex: G (Minimum: 3)	5
Red staining agent in light oil		5
Iodine		5
Olive Oil		5
Chemical Resistance		
Hydrochloric Acid 3% (v/v)	ISO 10545-13 NBR 13818 - annex: H (Minimum: B)	A
Potassium Hydroxide 30g/L		A
Citric Acid 100g/L		A
Lactic Acid 5% (v/v)		A
Hydrochloric Acid 18% (v/v)		A
Potassium Hydroxide 100g/L		A
Ammonium Chloride 100g/L		A
Sodium Hypochloride 20mg/L		A
Coefficient of Friction		
Dry Surface	NBR 13818 - annex: N Method: TORTUS III (Value ≥ 0,4)	NA
Wet Surface		NA
Local of Use		

TORONTO
 115 Carnarvon Street
 Toronto, ON M6M 3C9
 T 416 413 9008
 F 416 413 9652

TROY
 1700 Stutz Drive, Ste 92 & 94
 Troy, MI 48084
 T 248 643 6520
 F 248 643 6523

Please note, all specifications have been supplied by the manufacturer and are subject to change.

Email: mail@cercantile.com
 Website: www.cercantile.com

BELLO ARROW COLLECTION

PRODUCT CERTIFICATE
 Finished Product Laboratory
ISO 13006-10545
 Equivalent to the Brazilian Norm NBR 13818
 Dry-pressed ceramic tiles Eb > 10% Group BIII

PRODUCT: Bello Arrow Crystal Matte 12x36

TIPOLOGY: Wall

SIZE: 30x90

Characteristics	Test as per	Results
Physical		
Water Absorption (%E)	ISO 10545-3 NBR 13818 - annex: B (Eb > 10%)	>10
Modulus of Breaking Strength (MPa)	ISO 10545-4 NBR 13818 - annex: C (Average: ≥ 15)	15
Breaking Load (N)	ISO 10545-4 NBR 13818 - annex: C (Average: ≥ 600)	600
Moisture Expansion (mm/m)	ISO 10545-10 NBR 13818 - annex: J	0,4
Crazing Resistance	ISO 10545-11 NBR 13818 - annex: F	Resist
Frost Resistance	ISO 10545-12 NBR 13818 - annex: M	NA
Resistance to Thermal Shock	ISO 10545-9 NBR 13818 - annex: L	Not Resist
Chemical		
Resistance to Stains		
Green staining agent in light oil	ISO 10545-14 NBR 13818 - annex: G (Minimum: 3)	5
Red staining agent in light oil		5
Iodine		5
Olive Oil		5
Chemical Resistance		
Hydrochloric Acid 3% (v/v)	ISO 10545-13 NBR 13818 - annex: H (Minimum: B)	B
Potassium Hydroxide 30g/L		A
Citric Acid 100g/L		A
Lactic Acid 5% (v/v)		A
Hydrochloric Acid 18% (v/v)		B
Potassium Hydroxide 100g/L		A
Ammonium Chloride 100g/L		A
Sodium Hypochloride 20mg/L		A
Coefficient of Friction		
Dry Surface	NBR 13818 - annex: N Method: TORTUS III (Value ≥ 0,4)	NA
Wet Surface		NA
Local of Use		
IC - Internal Coating		

TORONTO
 115 Carnarvon Street
 Toronto, ON M6M 3C9
 T 416 413 9008
 F 416 413 9652

TROY
 1700 Stutz Drive, Ste 92 & 94
 Troy, MI 48084
 T 248 643 6520
 F 248 643 6523

Please note, all specifications have been supplied by the manufacturer and are subject to change.

Email: mail@cercantile.com
 Website: www.cercantile.com